



bio-technne®

COMPASS 软件介绍 数据分析

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PROTEIN SIMPLE -- 创新蛋白质分析技术专家



Jess/Abby/Wes

全自动 Western



FluorChem

多功能成像



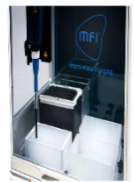
Ella

微流控全自动 ELISA



Milo

单细胞 Western



MFI

微流成像颗粒计数分类仪



Maurice

CE-SDS + icIEF 双功能 CE

MEET SIMPLE WESTERN

JESS ABBY WES



GEL-RUNNING AUTO
TRANSFER-FREE
BLOT-FREE
HANDS-FREE

超微量样品+自动化+定量

- 1 Simple Western 工作原理
- 2 Simple Western 优势及应用
- 3 Simple Western 实验操作简介

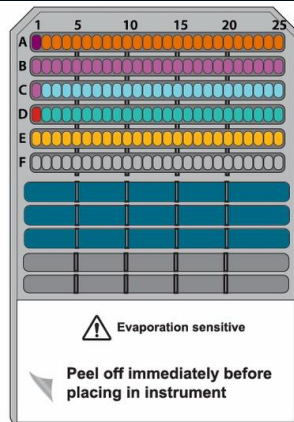
您需要做的工作



1. 配制样品和试剂

- 加样
- 混匀
- 加热

*样品不能加 Loading Buffer



2. 加样

- 加marker
- 加样品
- 加封闭液
- 加一抗
- 加二抗
- 加发光液
- 加洗液



3. 运行

- 放毛细管卡盒
- 放加样板
- 运行程序



Compass for SW



**One Pair of
PANTS LATER...**

运行结束后

File Edit Instrument Window Help

Run: ERK 1 Wes run results rev 001

Status History

run Wes Installation run

path C:\

assay Wes-25 Size

kit info Regular: 12-230 kDa

instrument Wes : Wes WS2002 - WS2002

plate S/N 7751502228

started 星期日 4:10 下午 一月 10, 2016 CST

completed 星期日 6:48 下午 一月 10, 2016 CST

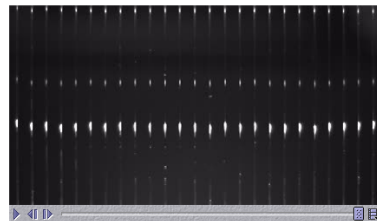
Sample Sep B 1° 2° Detect Results



4:10 下 4:14 下 5:04 下 5:10 下 5:48 下 6:28 下 6:45 下

Assay Run Summary Analysis

Separation IV Plot



01

Compass 介绍

02

数据分析前检查

03

数据分析

01

Compass 介绍

02

数据分析前检查

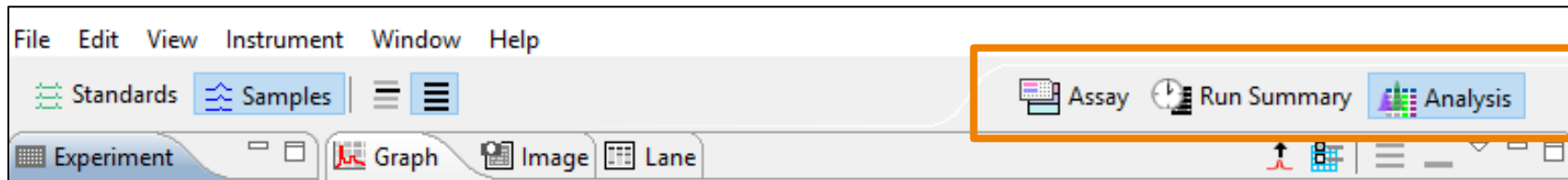
03

数据分析

COMPASS 软件

COMPASS 有三个主要界面

- Assay – 实验前的设置
- Run summary – 运行过程中的实时情况
- Analysis – 分析界面

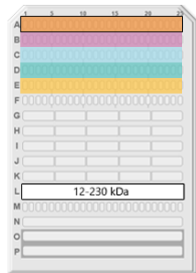


ASSAY 界面

File Edit Instrument Window Help

Assay: Wes Size

Layout



Protocol

History

Notes

Assay

Run Summary

Analysis

Add Remove

	Value
> Separation Matrix	
> Stacking Matrix	
> Sample	
Separation Time (m)	25.0
> Separation Voltage	375
> Antibody Diluent Ti	5.0
> Primary Antibody T	30.0
> Secondary Antibody	30.0
▼ Detection	
Well Row	E1
Detection Profile	HDR

Template

Edit

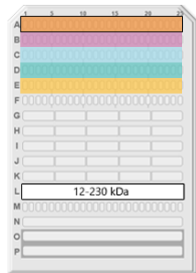
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	Bio...											Sample													
B												Antibody Diluent													
C	Ant...											Primary Antibody													
D	Str...											Secondary HRP Conjugate													
E												Luminol/Peroxide													

ASSAY 界面

File Edit Instrument Window Help

Assay: Wes Size

Layout



Protocol

History

Notes

Assay

Run Summary

Analysis

Add Remove

	Value
> Separation Matrix	
> Stacking Matrix	
> Sample	
Separation Time (m)	25.0
> Separation Voltage	375
> Antibody Diluent Ti	5.0
> Primary Antibody T	30.0
> Secondary Antibody	30.0
▼ Detection	
Well Row	E1
Detection Profile	HDR

Template

Edit

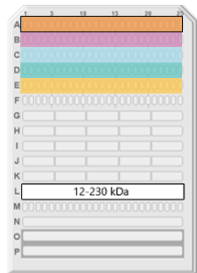
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	Bio...																								
B																									
C	Ant...																								
D	Str...																								
E																									

ASSAY 界面

File Edit Instrument Window Help

Assay: Wes Size

Layout



Protocol History Notes

	Value
> Separation Matrix	
> Stacking Matrix	
> Sample	
Separation Time (m)	25.0
> Separation Voltage	375
> Antibody Diluent Ti	5.0
> Primary Antibody T	30.0
> Secondary Antibody	30.0
▼ Detection	
Well Row	E1
Detection Profile	HDR

Well Content

Name:

Attribute:

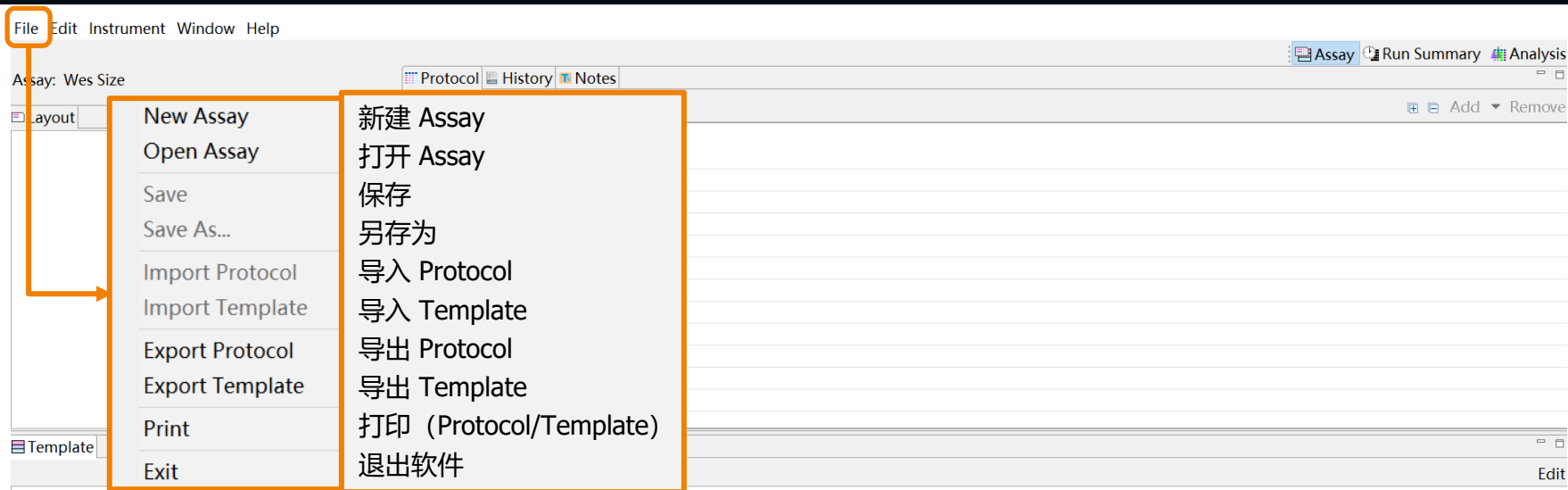
OK Cancel

Template

Edit

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	Bio...															Sample									
B																Antibody Diluent									
C	Ant...															Primary Antibody									
D	Str...															Secondary HRP Conjugate									
E																Luminol/Peroxide									

ASSAY 界面



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	Bio...											Sample													
B												Antibody Diluent													
C	Ant...											Primary Antibody													
D	Str...											Secondary HRP Conjugate													
E												Luminol/Peroxide													

ASSAY 界面

The screenshot displays the ASSAY software interface. At the top is a menu bar with 'File', 'Edit', 'Instrument', 'Window', and 'Help'. The 'Edit' menu is open, showing options: 'Cut', 'Copy' (Ctrl+C), 'Paste' (Ctrl+V), 'Default Analysis...', 'Default Analysis View...', and 'Preferences'. Below the menu bar, there are tabs for 'Assay', 'Run Summary', and 'Analysis'. The 'Assay' tab is active, showing a table with columns for 'Well Row' and 'Detection Profile'. The 'Well Row' is set to 'E1' and the 'Detection Profile' is 'HDR'. Below this is a 'Template' section. The main area is a 25x5 assay grid. The columns are numbered 1 to 25, and the rows are labeled A to E. The grid is color-coded by row: Row A is orange, Row B is pink, Row C is light blue, Row D is teal, and Row E is yellow. The grid contains the following text:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	Bio...																								
B																									
C	Ant...																								
D	Str...																								
E																									

The grid is divided into five sections by color and content:

- Row A: Orange background. Column 1 contains 'Bio...'. Column 12 contains 'Sample'.
- Row B: Pink background. Column 12 contains 'Antibody Diluent'.
- Row C: Light blue background. Column 12 contains 'Primary Antibody'.
- Row D: Teal background. Column 12 contains 'Secondary HRP Conjugate'.
- Row E: Yellow background. Column 12 contains 'Luminol/Peroxide'.

ASSAY 界面

The screenshot displays the ASSAY software interface. The top menu bar includes File, Edit, Instrument, Window, and Help. The 'Edit' menu is open, showing options: Cut, Copy (Ctrl+C), Paste (Ctrl+V), Default Analysis..., Default Analysis View..., and Preferences. Below the menu, the 'Assay: Wes Size' section shows a 'Layout' tab. The 'Default Analysis: Wes-25 Size.assay' dialog is open, showing the 'Standards' tab. The 'Standards' tab contains a table of 'Fluorescent Peaks' with columns for MW (kDa), Position, and Fit. The 'Assay' tab is also visible, showing a grid of wells (A-E, 1-25) with labels for 'Sample', 'Antibody Diluent', 'Primary Antibody', 'Secondary HRP Conjugate', and 'Luminol/Peroxide'.

Edit Menu:

- Cut
- Copy Ctrl+C
- Paste Ctrl+V
- Default Analysis...
- Default Analysis View...
- Preferences

Default Analysis: Wes-25 Size.assay Dialog:

Standards

Standards

Fluorescent Peaks

MW (kDa)	Position	Fit
1	170	<input type="checkbox"/>
29	350	<input checked="" type="checkbox"/>
230	650	<input checked="" type="checkbox"/>

Buttons: Add, Remove, Import..., Export..., OK, Cancel, Apply

Assay Layout Grid:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	Bio...																								
B																									
C	Ant...																								
D	Str...																								
E																									

ASSAY 界面

The screenshot displays the ASSAY software interface. The top menu bar includes File, Edit, Instrument, Window, and Help. The 'Edit' menu is open, showing options: Cut, Copy (Ctrl+C), Paste (Ctrl+V), Default Analysis..., Default Analysis View..., and Preferences. A secondary menu is visible for 'Default Analysis View...', listing: 剪切 (Cut), 拷贝 (Copy), 粘贴 (Paste), 默认分析设置 (Default Analysis Settings), 默认分析预览 (Default Analysis Preview), and 参数设置 (Parameter Settings).

The 'Graph View Options' dialog box is open, showing the following settings:

- Graph View Options**
 - ☒ Matching Peak Names
 - ☒ Peak Names
 - ☒ Peak Values
- Lane View Options**
 - ☐ Fitted Peaks
 - ☐ Baseline Fit
 - ☐ Noise Region
 - ☐ All Exposures
 - ☐ Grid Lines
- Plot Label**
 - ☒ Sample
 - ☐ Attribute
 - ☐ Primary
 - ☐ Attribute
 - ☐ Secondary
 - ☐ Attribute
 - ☒ Capillary
 - ☒ Exposure

The bottom section shows a multi-well plate layout with 5 rows (A-E) and 25 columns (1-25). The layout is color-coded by row: Row A is orange, Row B is purple, Row C is light blue, Row D is teal, and Row E is yellow. The first column (1) contains labels: 'Bio...' in Row A, 'Ant...' in Row C, and 'Str...' in Row D. The remaining columns (2-25) are labeled with reagents: 'Sample' (columns 2-12), 'Antibody Diluent' (columns 13-21), 'Primary Antibody' (columns 22-24), 'Secondary HRP Conjugate' (columns 25-26), and 'Luminol/Peroxide' (columns 27-28).

ASSAY 界面

The screenshot displays the ASSAY software interface. The top menu bar includes File, Edit, Instrument, Window, and Help. The 'Edit' menu is open, showing options: Cut, Copy (Ctrl+C), Paste (Ctrl+V), Default Analysis..., Default Analysis View..., and Preferences. The Preferences dialog is open, showing the 'Access Control' tab with settings for Enable, Server (127.0.0.1), Auto Lock Inactivity (min) (20), and a note that these settings apply to all users. The assay layout is shown below, with columns numbered 1 to 25 and rows labeled A to E. The layout is color-coded: Row A is orange (Sample), Row B is purple (Antibody Diluent), Row C is light blue (Primary Antibody), Row D is teal (Secondary HRP Conjugate), and Row E is yellow (Luminol/Peroxide). A red box highlights cell A6.

Edit Menu:

- Cut
- Copy Ctrl+C
- Paste Ctrl+V
- Default Analysis...
- Default Analysis View...
- Preferences

Preferences Dialog - Access Control:

- Enable ☐
- Server 127.0.0.1
- Auto Lock Inactivity (min) 20
- These settings apply to all users
- Restore Defaults
- Apply
- OK
- Cancel

Assay Layout:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	Bio...																								
B																									
C	Ant...																								
D	Str...																								
E																									

ASSAY 界面

File Edit Instrument **Window** Help

Assay: Wes Size

Layout

Blot
✓ Assay
Run Summary
Analysis
Default Layout

Value

25.0
375
5.0
30.0
30.0

> Antibody Diluent Ti
> Primary Antibody T
> Secondary Antibody
✓ Detection
Well Row E1
Detection Profile HDR

Template

Edit

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	Bio...												Sample												
B													Antibody Diluent												
C	Ant...												Primary Antibody												
D	Str...												Secondary HRP Conjugate												
E													Luminol/Peroxide												

ASSAY 界面

File Edit Instrument Window Help

Assay: Wes Size

Layout

12-230 kDa

Compass for SW Help
User Guide
Check for Updates
Release Notes
Export Logs
Send Run File
About Compass for SW

Compass 软件用户手册
Simple Western 用户手册
检查更新
版本注释
导出仪器日志
发送 Run
Compass 软件相关信息

Assay Run Summary Analysis

Add Remove

Template

Edit

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A	Bio...																								
B																									
C	Ant...																								
D	Str...																								
E																									

Sample

Antibody Diluent

Primary Antibody

Secondary HRP Conjugate

Luminol/Peroxide

RUN SUMMARY 界面

File Edit Instrument Window Help

Run: ERK 1 Wes run results rev 001

Status History

run Wes Installation run

path C:\

assay Wes-25 Size

kit info Regular: 12-230 kDa

instrument Wes : Wes WS2002 - WS2002

plate S/N 7751502228

started 星期日 4:10 下午 一月 10, 2016 CST

completed 星期日 6:48 下午 一月 10, 2016 CST

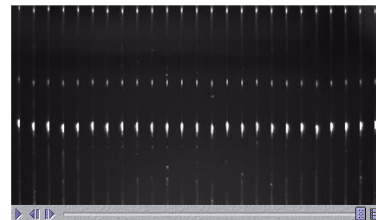
Sample Sep B 1° 2° Detect Results



4:10 下 4:14 下 5:04 下 5:10 下 5:48 下 6:28 下 6:45 下

Assay Run Summary Analysis

Separation IV Plot



RUN SUMMARY 界面

File Edit Instrument Window Help

Run: ERK 1 Wes run results rev 001

Status History

run Wes Installation run
path C:\
assay Wes-25 Size
kit info Regular: 12-230 kDa

instrument Wes : Wes WS2002 - WS2002
plate S/N 7751502228

started 星期日 4:10 下午 一月 10, 2016 CST
completed 星期日 6:48 下午 一月 10, 2016 CST

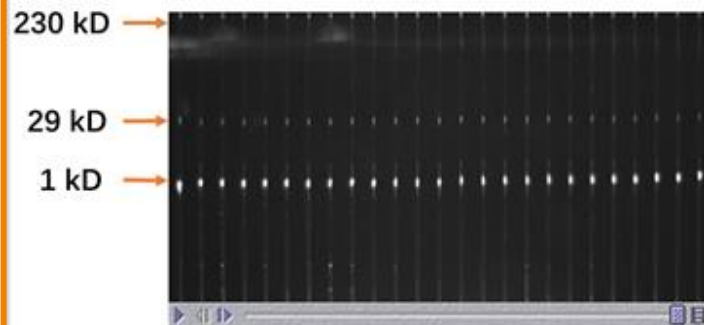
Sample Sep B 1° 2° Detect Results

4:10 下 4:14 下 5:04 下 5:10 下 5:48 下 6:28 下 6:45 下

- ▶ 12-230 kit: 1 kDa, 29 kDa, 230 kDa
- ▶ 66-440 kit: 57 kDa, 280 kDa
- ▶ 2-40 kit: 1 kDa, 26 kDa

Assay Run Summary Analysis

Separation IV Plot



RUN SUMMARY 界面

File Edit Instrument Window Help

Run: ERK 1 Wes run results rev 001

Status History

run Wes Installation run
path C:\
assay Wes-25 Size
kit info Regular: 12-230 kDa

instrument Wes : Wes WS2002 - WS2002
plate S/N 7751502228

started 星期日 4:10 下午 一月 10, 2016 CST
completed 星期日 6:48 下午 一月 10, 2016 CST

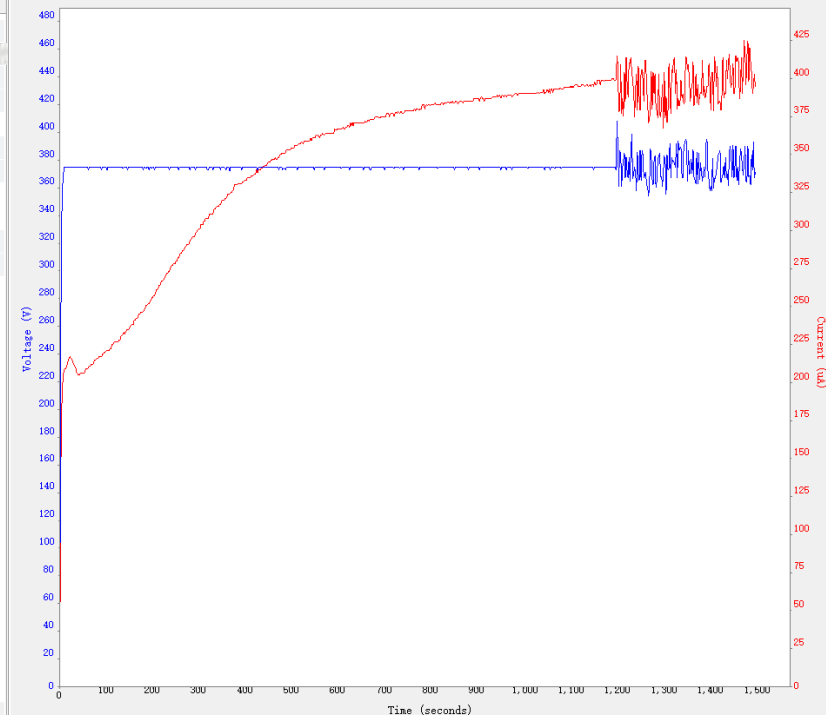
Sample Sep B 1° 2° Detect Results

4:10 下 4:14 下 5:04 下 5:10 下 5:48 下 6:28 下 6:45 下

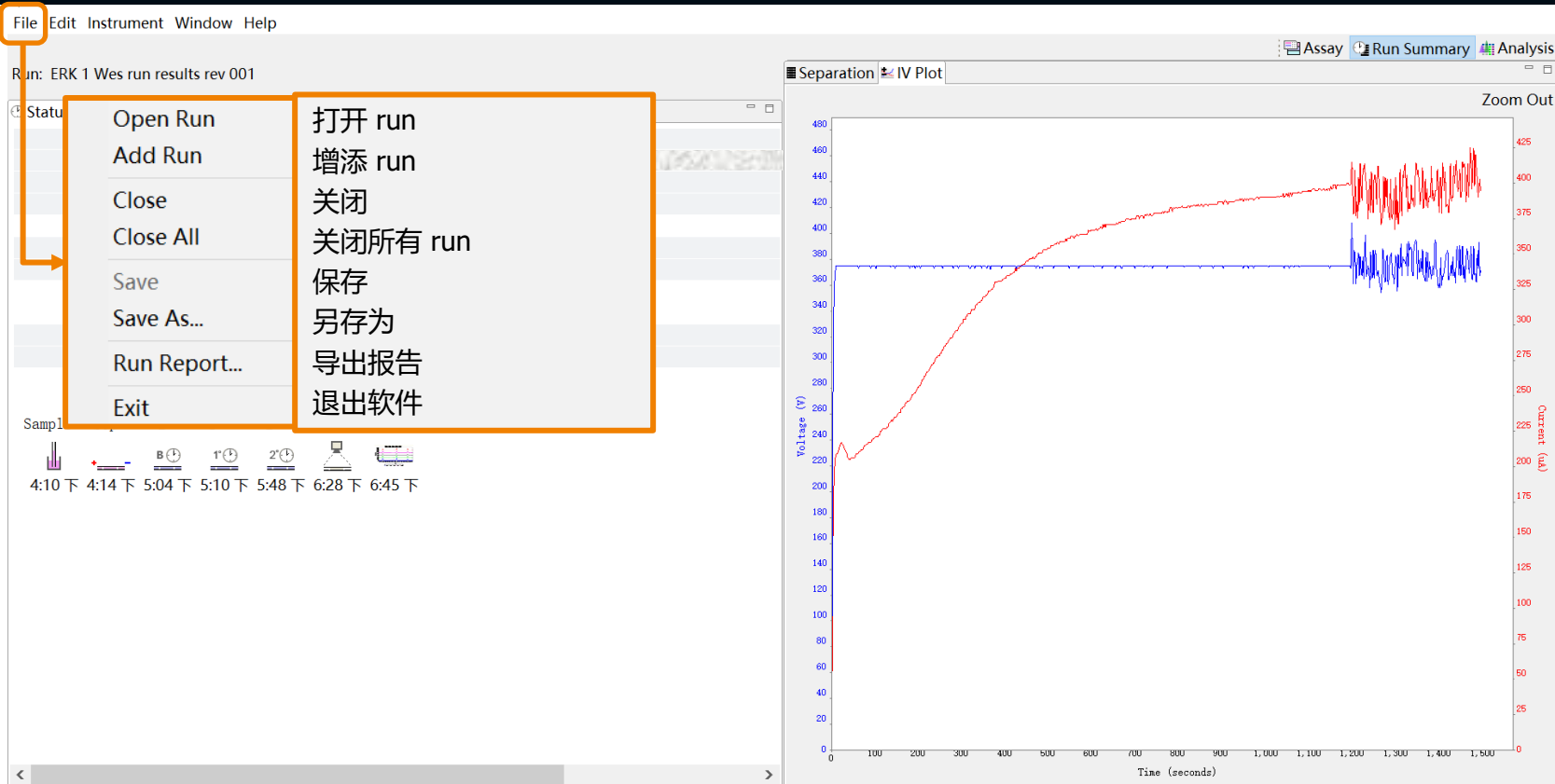
Assay Run Summary Analysis

Separation IV Plot

Zoom Out



RUN SUMMARY 界面



RUN SUMMARY 界面

File Edit Instrument Window Help

Run: ERK 1 Wes run results rev 001

Status History

run Wes Installation run
path C:\
assay Wes-25 Size
kit info Regular: 12-230 kDa

instrument Wes : Wes WS2002 - WS2002
plate S/N 7751502228

started 星期日 4:10 下午 一月 10, 2016 CST
completed 星期日 6:48 下午 一月 10, 2016 CST

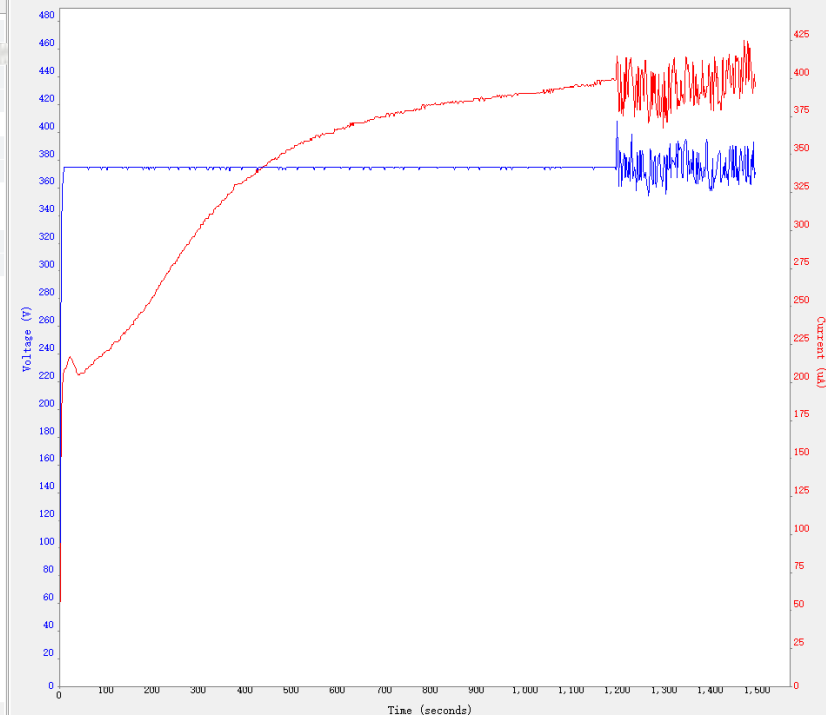
Sample Sep B 1° 2° Detect Results

4:10 下 4:14 下 5:04 下 5:10 下 5:48 下 6:28 下 6:45 下

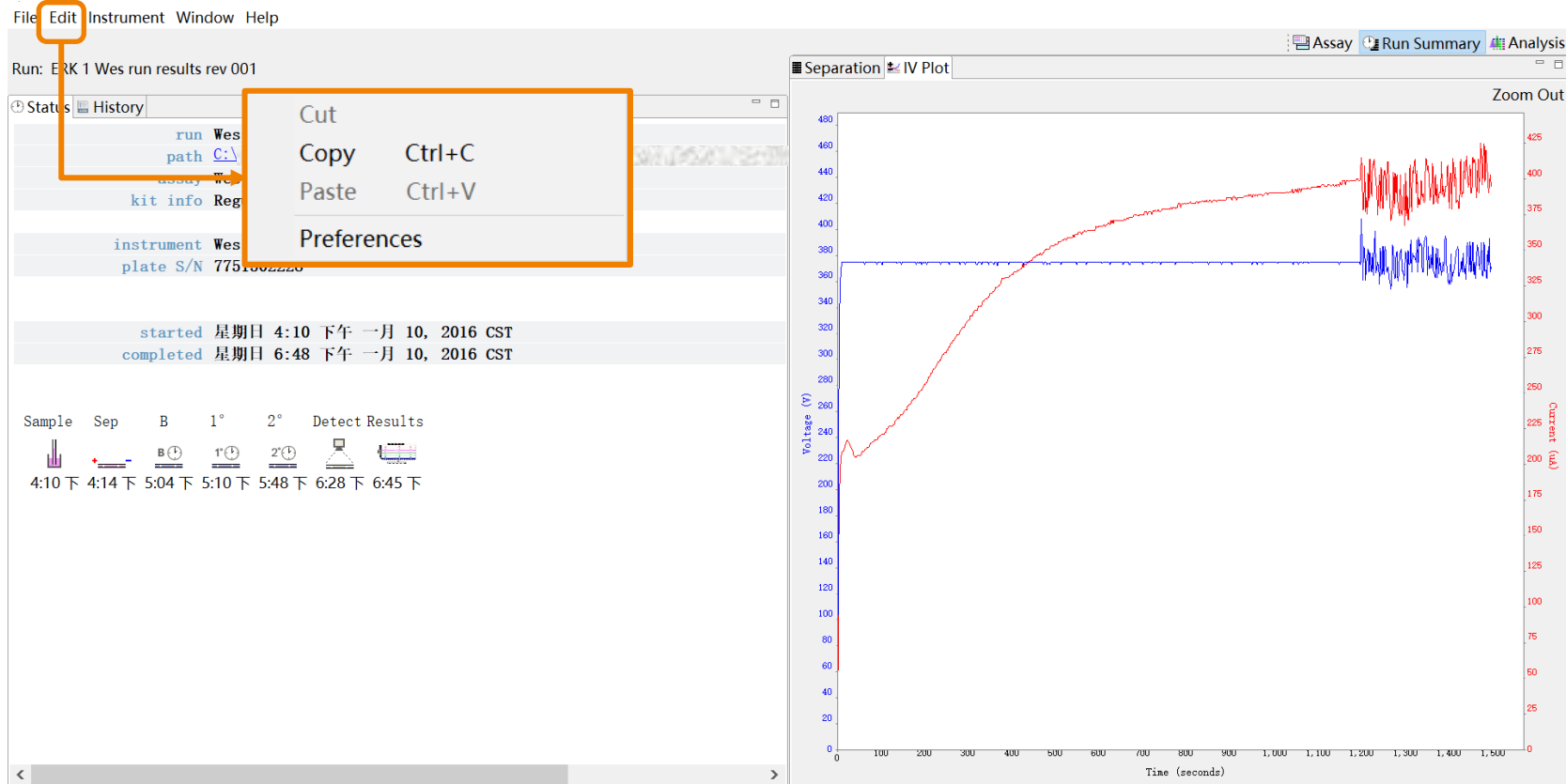
Assay Run Summary Analysis

Separation IV Plot

Zoom Out



RUN SUMMARY 界面



ANALYSIS 界面

File Edit View Instrument Window Help

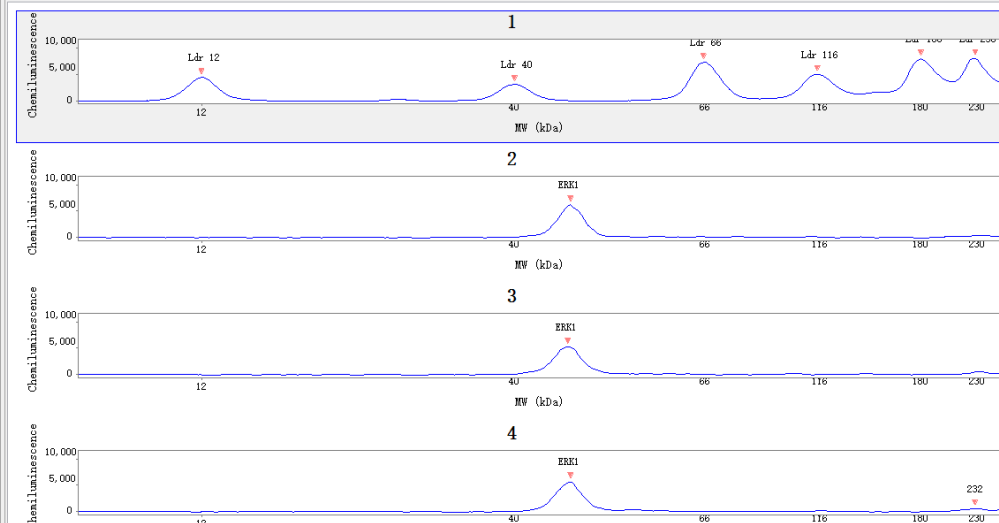
Standards Samples

Experiment

Sample Primary C...

Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane



Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

Assay Run Summary Analysis

Analysis Options Annotations

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Graph Image Lane

Analysis Options Annotations

Assay Run Summary Analysis

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

1

Ldr 40 Ldr 66 Ldr 116 Ldr 180 Ldr 230

MW (kDa)

2

ERK1

MW (kDa)

3

ERK1

MW (kDa)

4

ERK1

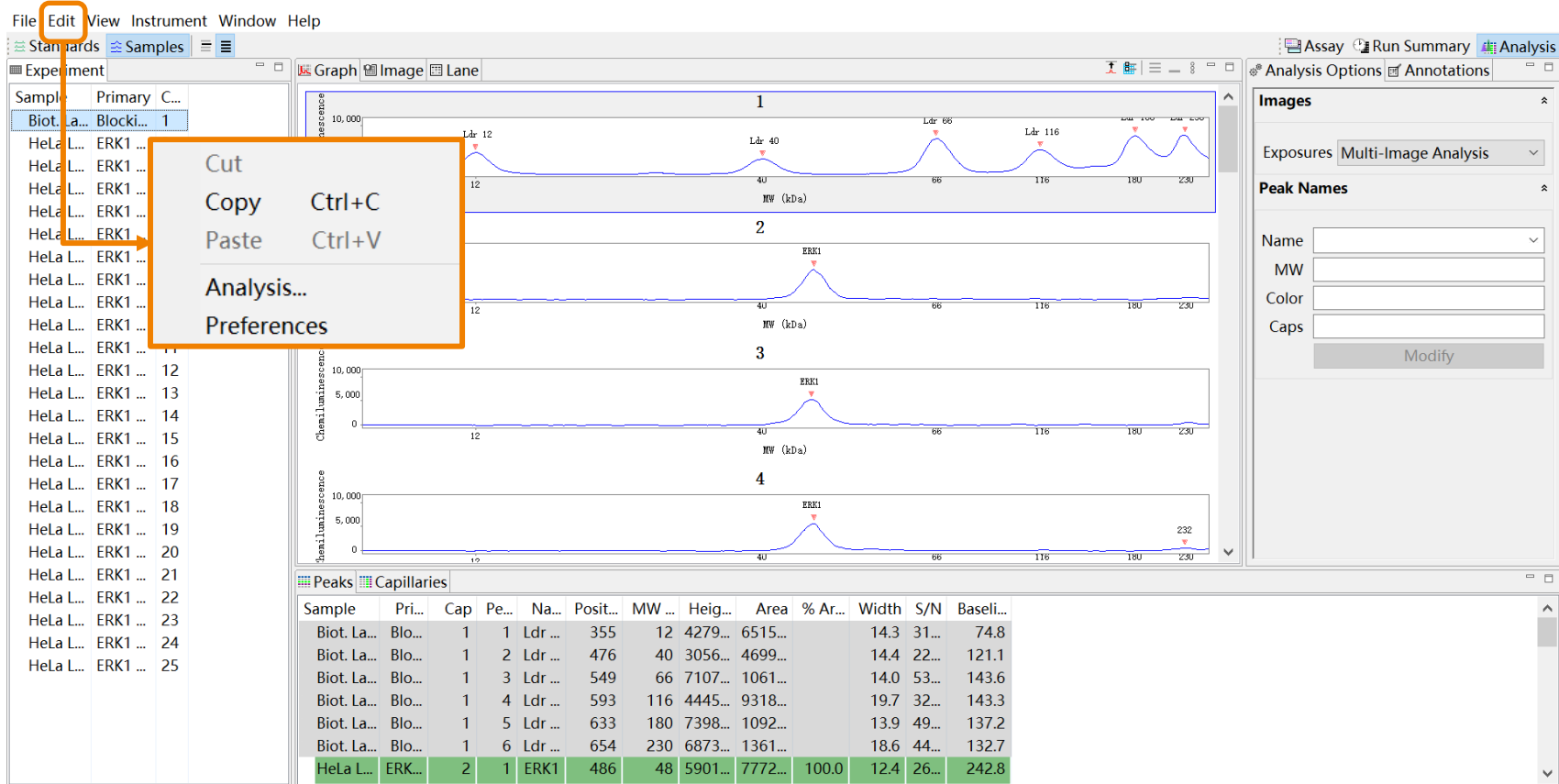
MW (kDa)

5,000

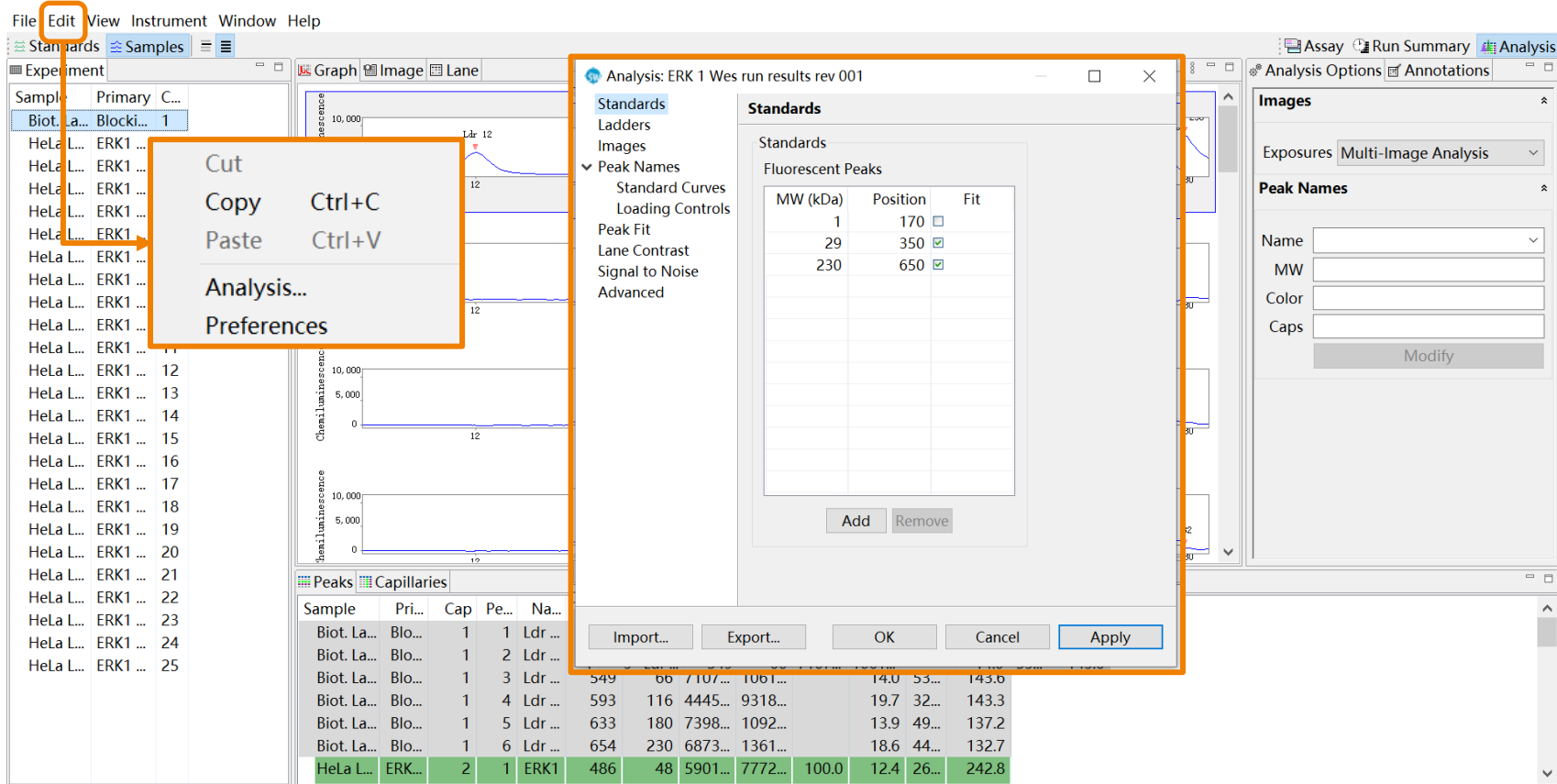
0

10 40 66 116 180 230

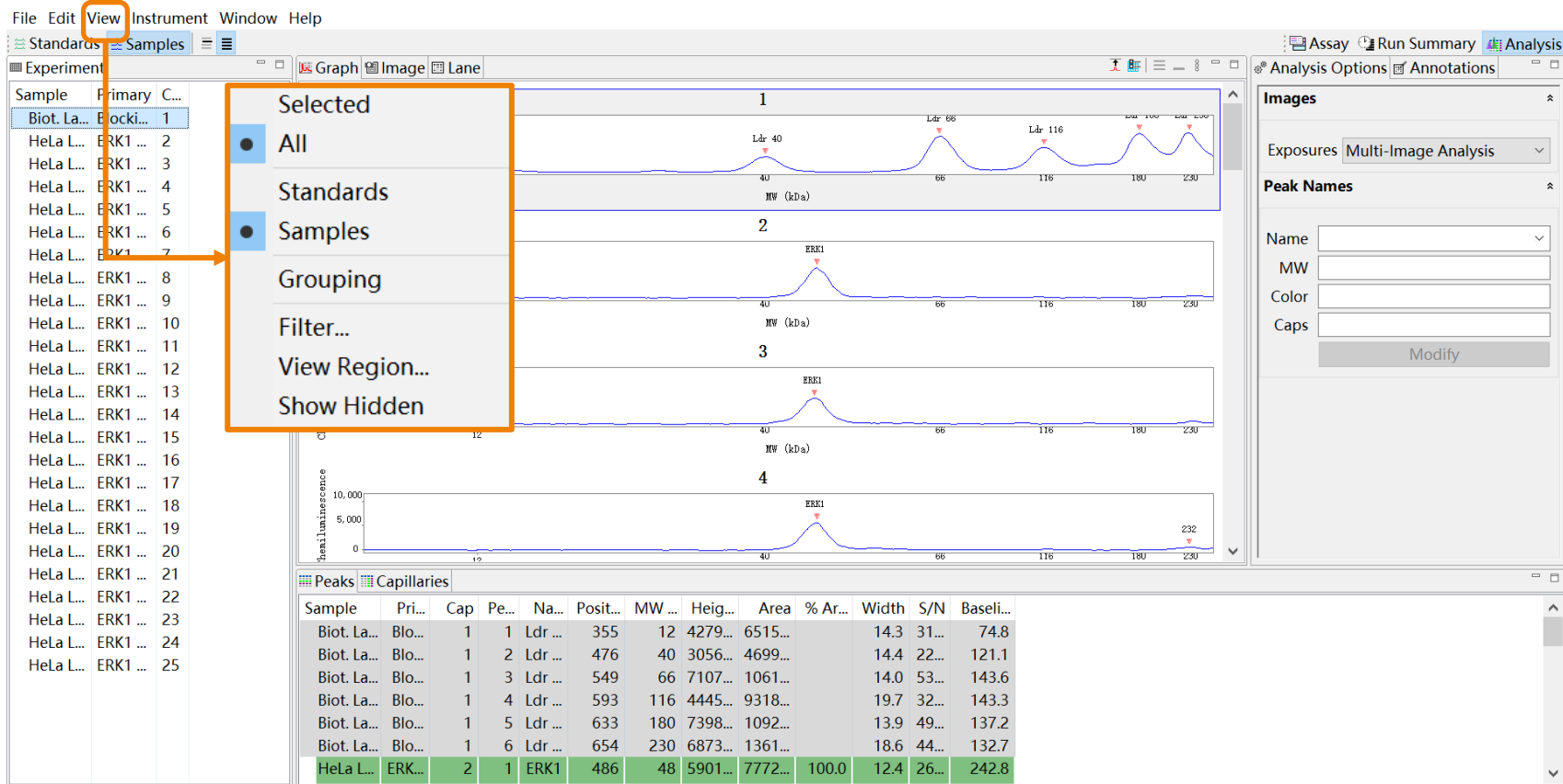
ANALYSIS 界面



ANALYSIS 界面



ANALYSIS 界面



ANALYSIS 界面

The screenshot displays the ANALYSIS interface with the following components:

- Menu Bar:** File, Edit, View, Instrument, Window, Help.
- View Menu:** Opened, showing options: Selected, All, Standards, Samples, Grouping, Filter..., View Region..., Show Hidden.
- Filter Dialog:** Opened, showing a list of Capillaries (1-11) with checkboxes. The 'Show named peaks only' option is unchecked.
- Table:** A table with columns: Sample, Pri..., Cap, Pe..., Na..., Posit..., MW, Heig. The table contains data for Biot. La... and HeLa L... samples.
- Graphs:** Several line graphs showing fluorescence intensity over time or position.
- Analysis Options Panel:** Includes sections for Images (Exposures: Multi-Image Analysis) and Peak Names (Name, MW, Color, Caps).

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW	Heig
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...
HeLa L...	ERK1	2	1	ERK1	486	48	5901...

ANALYSIS 界面

File Edit **View** Instrument Window Help

Standards Samples

Experiment

Graph Image Lane

Sample Primary C...

Sample	Primary	C...
Biot. La...	Blo...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Selected

- All
- Standards
- Samples**
- Grouping
- Filter...
- View Region...
- Show Hidden

View Region

Range

☒ Analysis ☐ Full ☐ Custom

Lower: 1.0 Upper: 250.0

OK Cancel

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

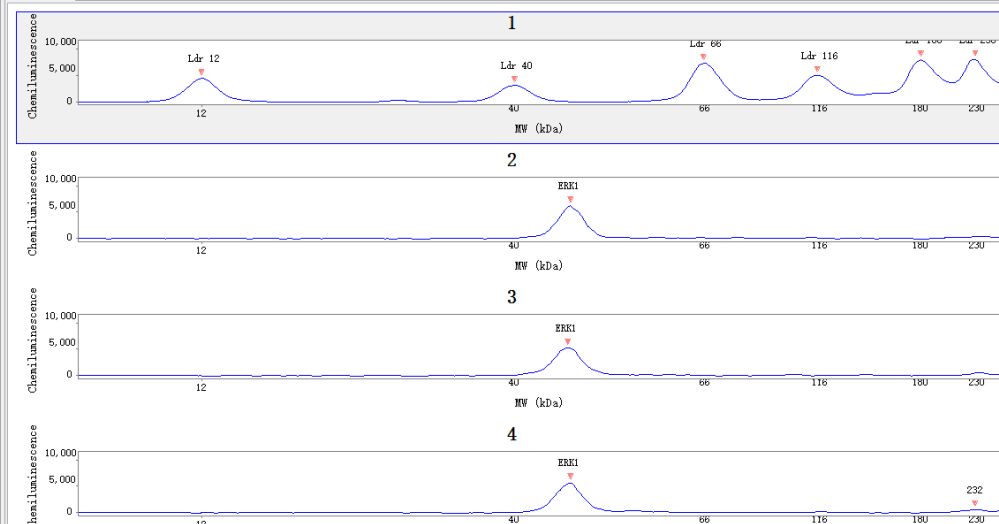
Standards Samples

Experiment

Sample Primary C...

Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane



Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

Assay Run Summary Analysis

Analysis Options Annotations

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Analysis Options Annotations

Standards Samples

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

Basal fluorescence

10,000

5,000

0

10 40 60 80 100 120 140 160 180 200

ERK1

232

230

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Analysis Options Annotations

Standards Samples

荧光内参

Basal Luminescence

4

ERK1

232

230

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blo...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Analysis Options Annotations

Standards Samples

荧光内参 样品

Basal Luminescence

4

ERK1

232

230

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Analysis Options Annotations

Standards Samples

荧光内参 样品 展示选择的毛细管

4

Basal Luminescence

ERK1

232

230

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blo...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Analysis Options Annotations

Assay Run Summary Analysis

Standards Samples

展示所有毛细管

荧光内参 样品 展示选择的毛细管

Basal Luminescence

4

ERK1

232

230

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blo...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Assay Run Summary Analysis

Analysis Options Annotations

Images

Wes Standards Samples

展示所有毛细管

展示选择的毛细管

荧光内参

样品

4

Basal Luminescence

ERK1

232

230

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
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HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Wes

Standards Samples

展示所有毛细管

荧光内参

样品

展示选择的毛细管

Jess

Graph Image Lane

Assay Run Summary Analysis

Analysis Options Annotations

Images

1

4

Basal Luminescence

ERK1

232

230

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blo...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

1

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Jess Standards Samples

Basal Luminescence

4

ERK1

232

230

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blo...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
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HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Jess Standards Samples 化学发光

Graph Image Lane

Assay Run Summary Analysis

Analysis Options Annotations

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Analysis

Modify

4

Basal Luminescence

ERK1

232

230

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blo...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

1

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Jess Standards Samples 化学发光

Basal Luminescence

4

ERK1

232

230

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blo...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Jess Standards Samples NIR 化学发光

Basal Luminescence

4

ERK1

232

230

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blo...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Jess Standards Samples

NIR

化学发光

Basal Luminescence

4

ERK1

232

230

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blo...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Jess Standards Samples

NIR 化学发光 IR

Graph Image Lane

Assay Run Summary Analysis

Analysis Options Annotations

Images

Analysis

Modify

Basal Luminescence

4

ERK1

232

230

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blo...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Jess Standards Samples

NIR 化学发光 IR

Basal Luminescence

4

ERK1

232

230

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
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HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blo...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Assay Run Summary Analysis

Analysis Options Annotations

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Jess Standards Samples

NIR 总蛋白归一化

化学发光 IR

Basal Luminescence

4

ERK1

232

230

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blo...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Jess Standards Samples

NIR 总蛋白归一化

化学发光 IR

10,000
5,000
0

ERK1

232

230

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blo...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Wes Standards Samples 展示所有毛细管

荧光内参 样品 展示选择的毛细管

Jess Standards Samples

NIR 总蛋白归一化

化学发光 IR Replex

10,000
5,000
0

ERK1

232

230

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
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Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

ANALYSIS 界面

File Edit View Instrument Window Help

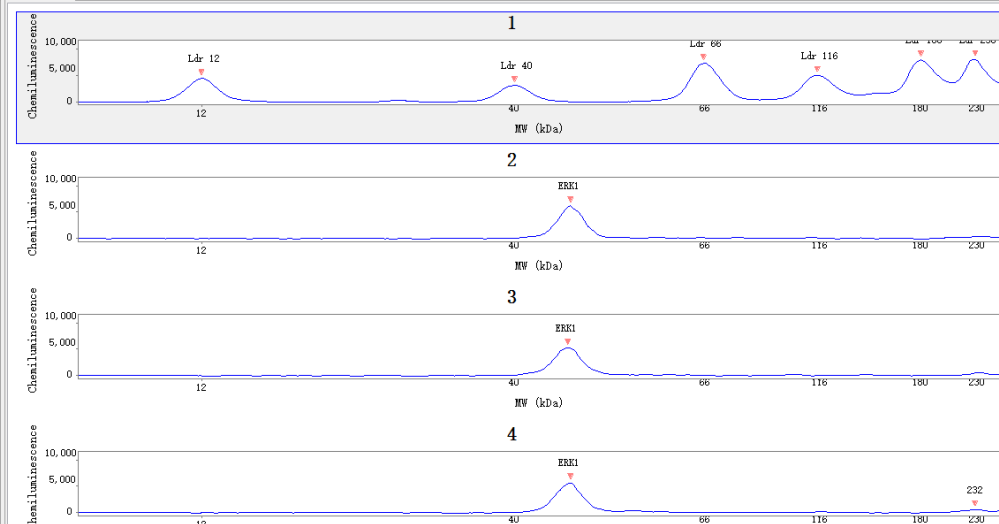
Standards Samples

Experiment

Sample Primary C...

Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

Graph Image Lane



Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
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Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
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HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

Assay Run Summary Analysis

Analysis Options Annotations

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

ANALYSIS 界面

File Edit View Instrument Window Help

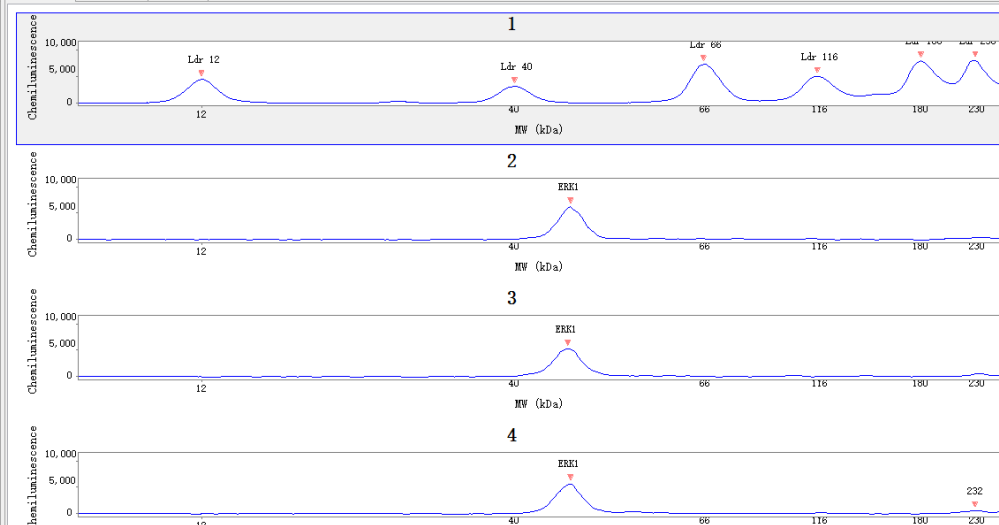
Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

实验窗格

Graph Image Lane



Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
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Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
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HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

Assay Run Summary Analysis

Analysis Options Annotations

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

ANALYSIS 界面

File Edit View Instrument Window Help

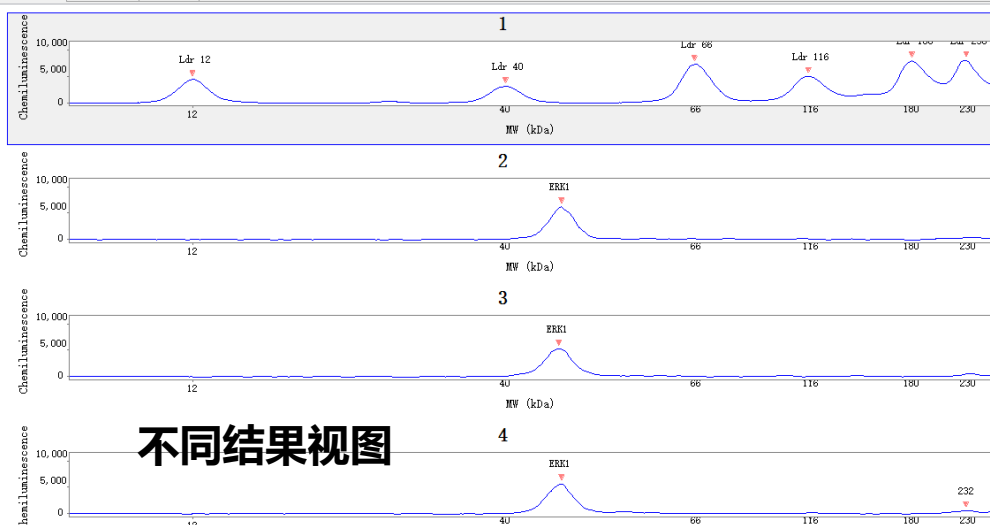
Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

实验窗格

Graph Image Lane



不同结果视图

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

Assay Run Summary Analysis

Analysis Options Annotations

Images

Exposures Multi-Image Analysis

Peak Names

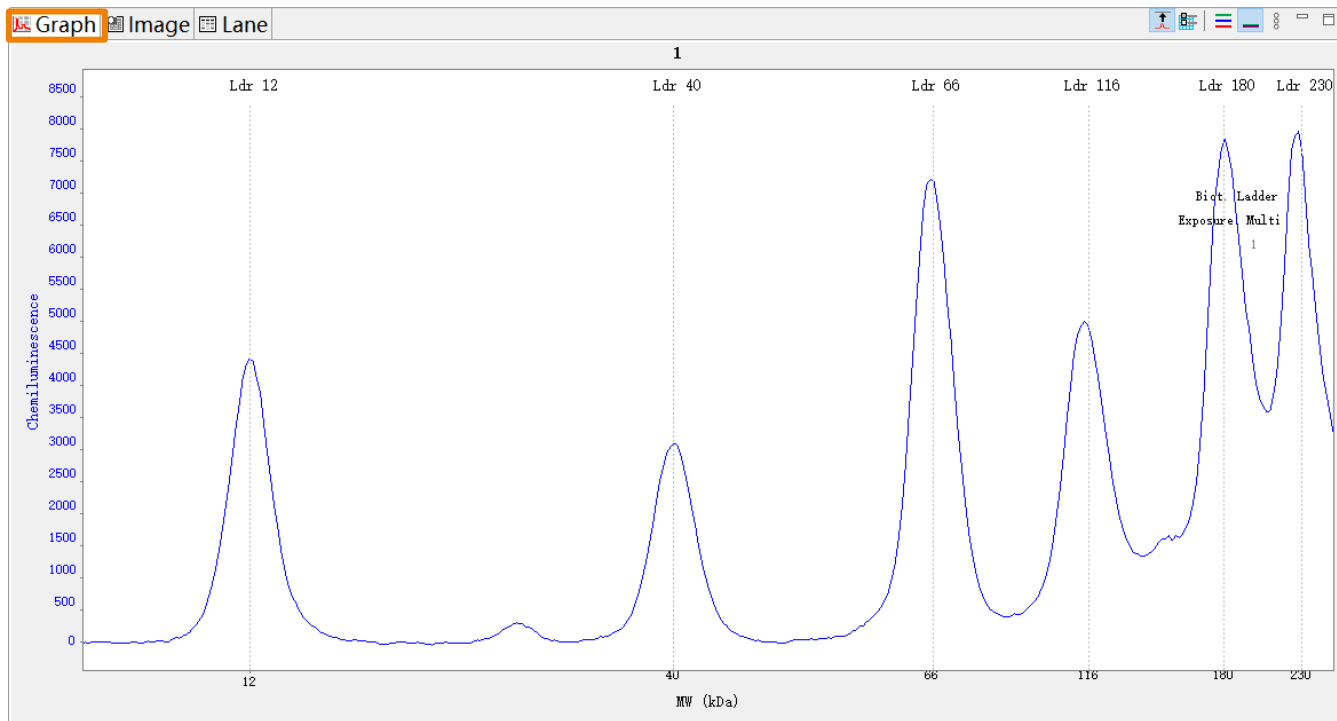
Name
MW
Color
Caps

Modify

ANALYSIS 界面

峰型图

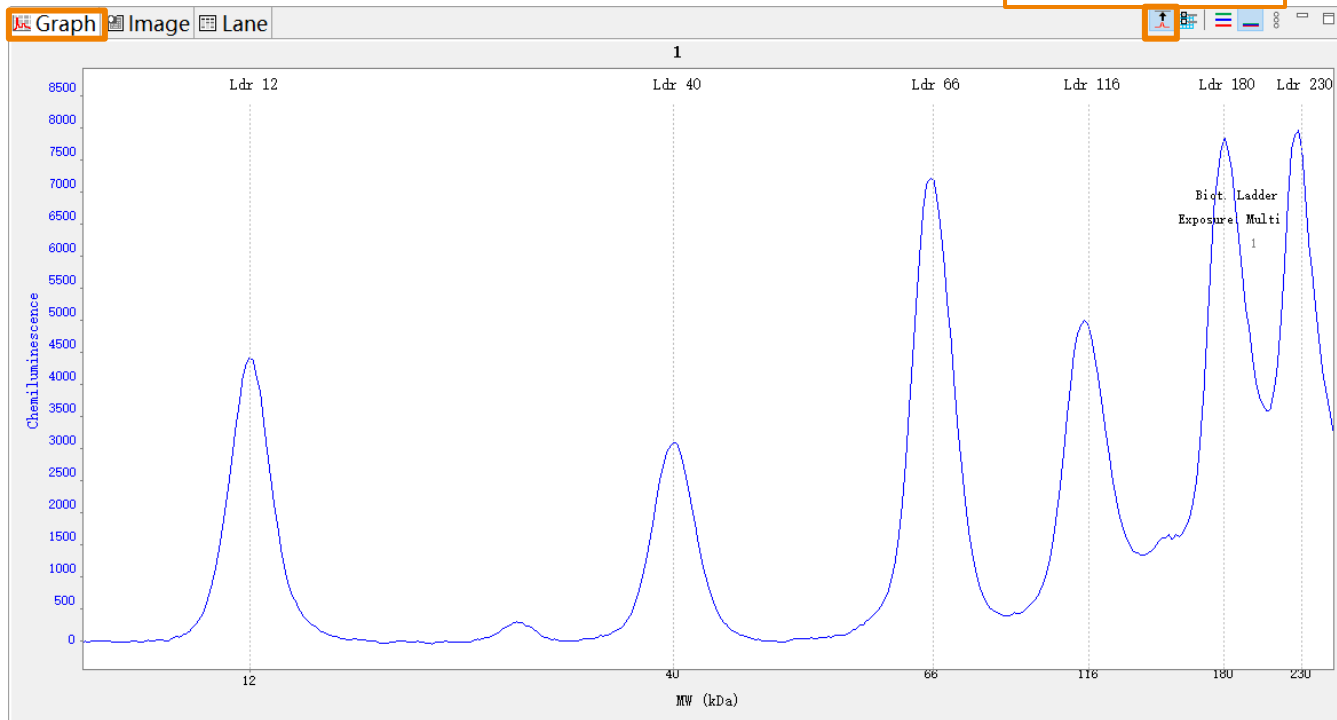
- 峰形图信息量最大，数据质量分析推荐用峰形图
- 选择不同的通道，将有不止一个Y轴
- 点击 Auto Scale 将自动调整所有毛细管的量程



ANALYSIS 界面

峰型图

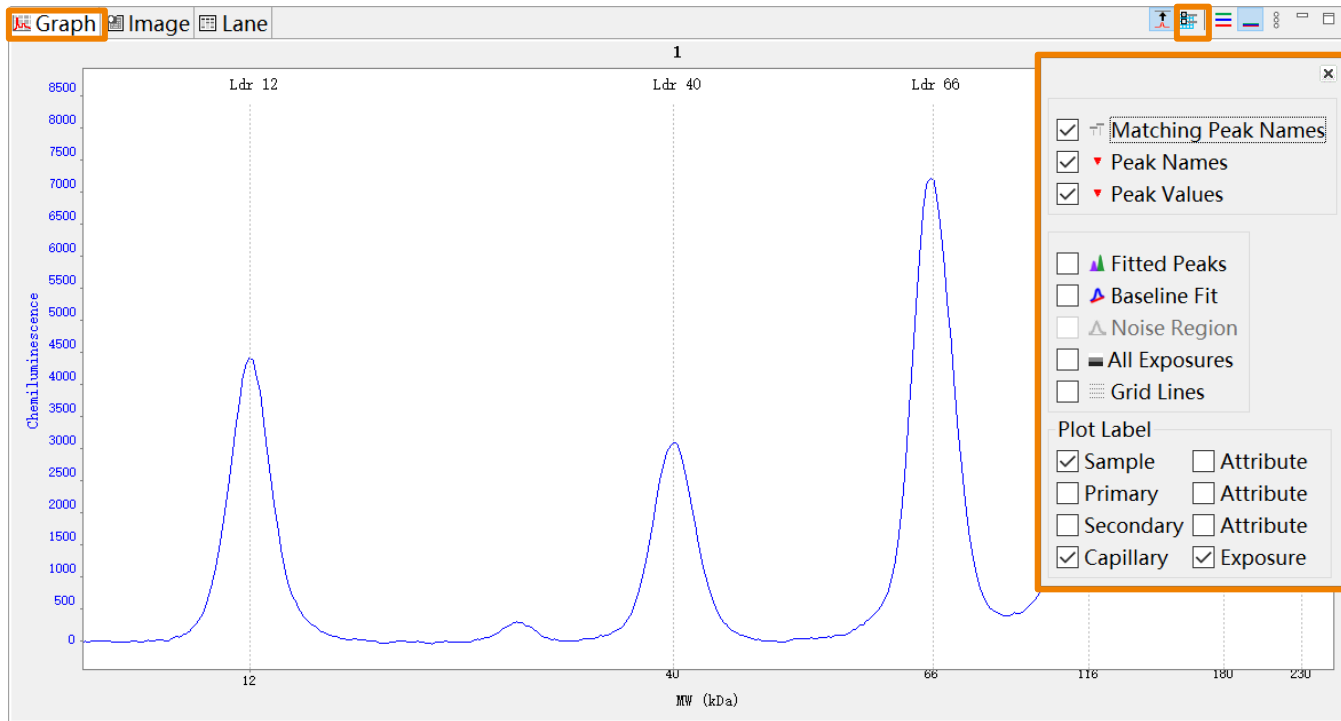
- 峰形图信息量最大，数据质量分析推荐用峰形图
- 选择不同的通道，将有不止一个Y轴
- 点击 Auto Scale 将自动调整所有毛细管的量程



ANALYSIS 界面

峰型图

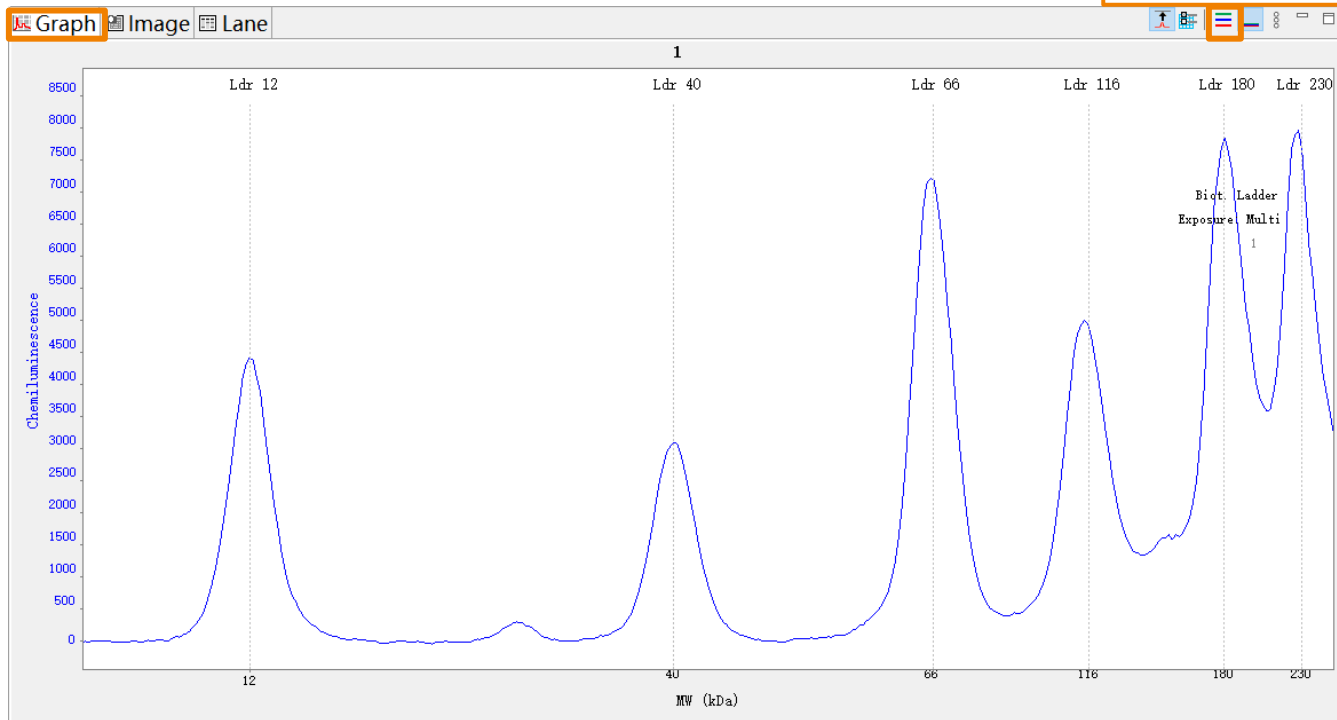
- 峰形图信息量最大，数据质量分析推荐用峰形图
- 选择不同的通道，将有不止一个Y轴
- 点击 Auto Scale 将自动调整所有毛细管的量程



ANALYSIS 界面

峰型图

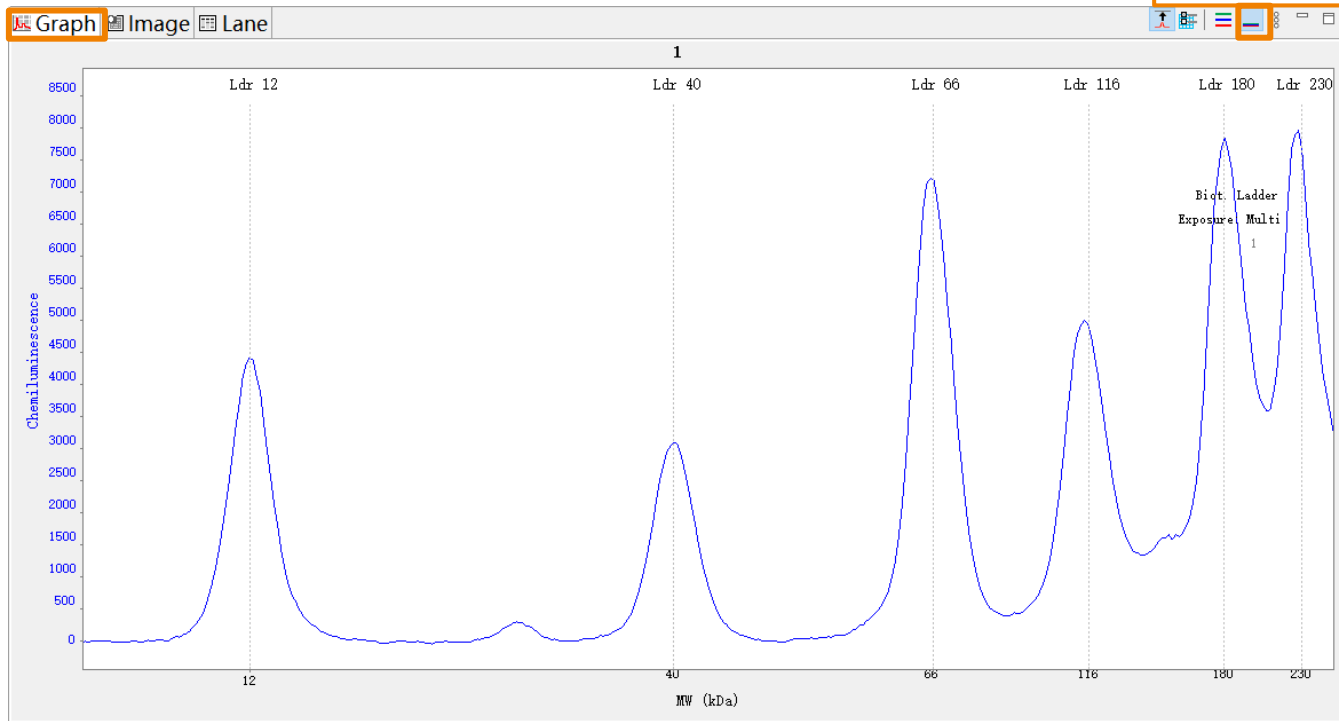
- 峰形图信息量最大，数据质量分析推荐用峰形图
- 选择不同的通道，将有不止一个Y轴
- 点击 Auto Scale 将自动调整所有毛细管的量程



ANALYSIS 界面

峰型图

- 峰形图信息量最大，数据质量分析推荐用峰形图
- 选择不同的通道，将有不止一个Y轴
- 点击 Auto Scale 将自动调整所有毛细管的量程

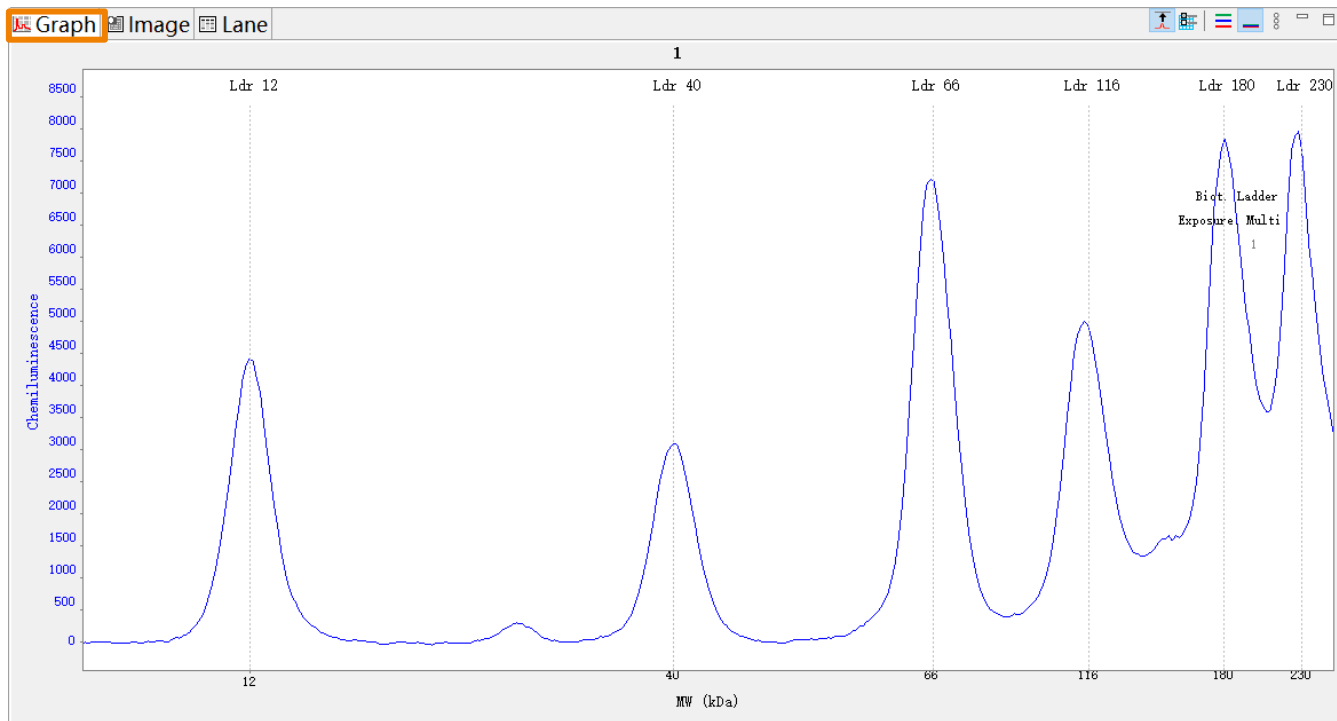


结果合并展示

ANALYSIS 界面

峰型图

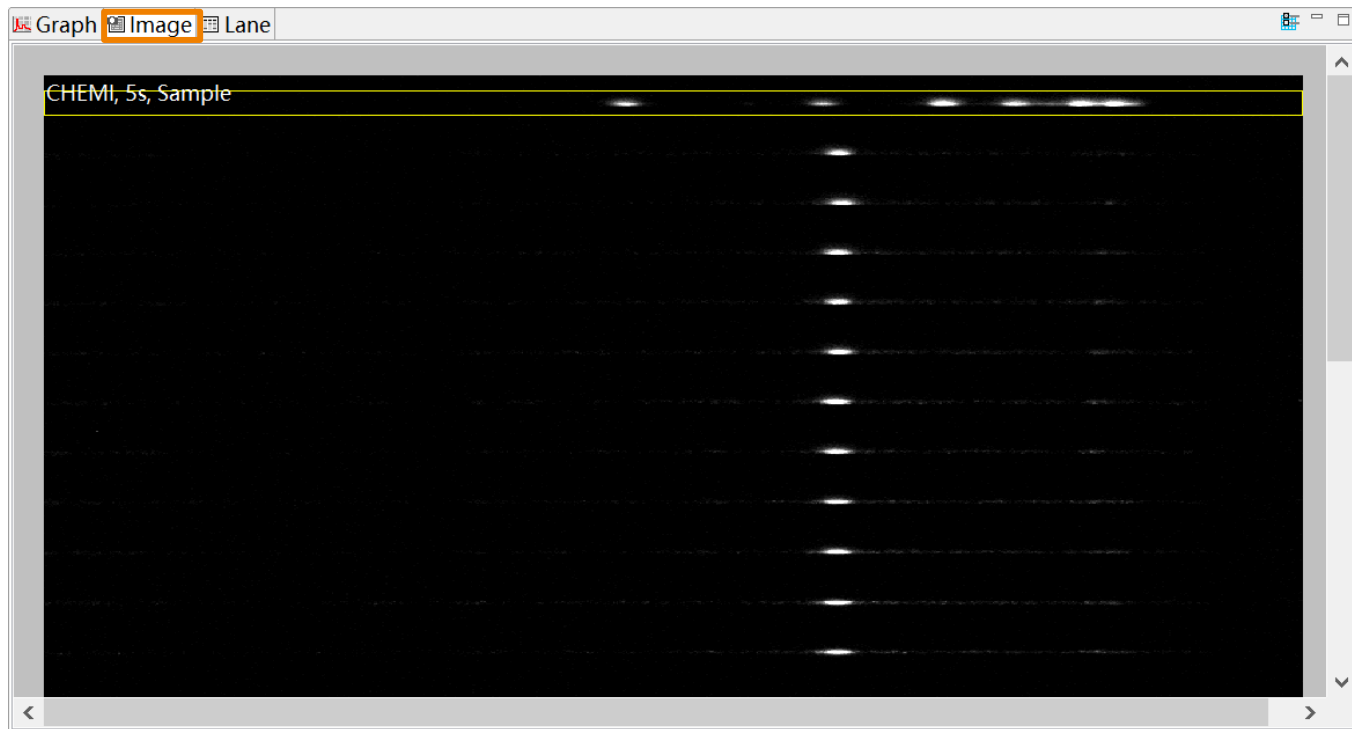
- 峰形图信息量最大，数据质量分析推荐用峰形图
- 选择不同的通道，将有不止一个Y轴
- 点击 Auto Scale 将自动调整所有毛细管的量程



ANALYSIS 界面

成像图

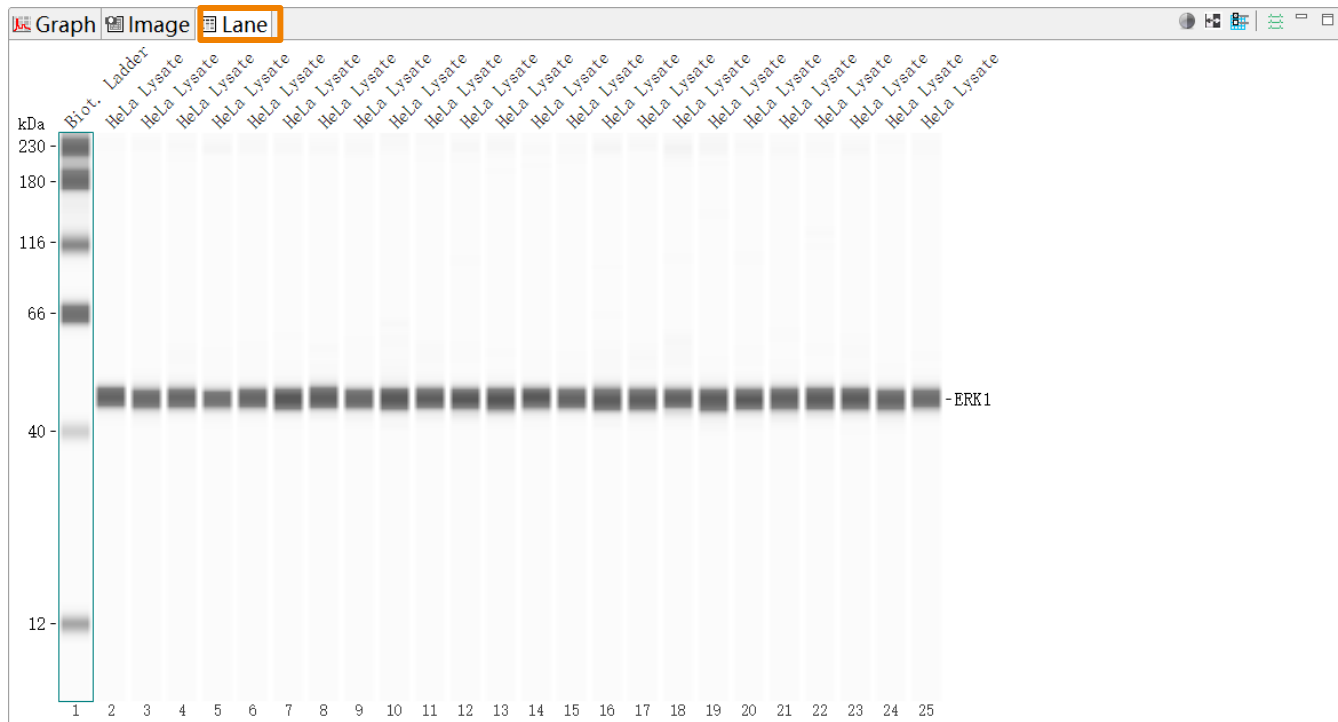
毛细管实际曝光
结果



ANALYSIS 界面

泳道图

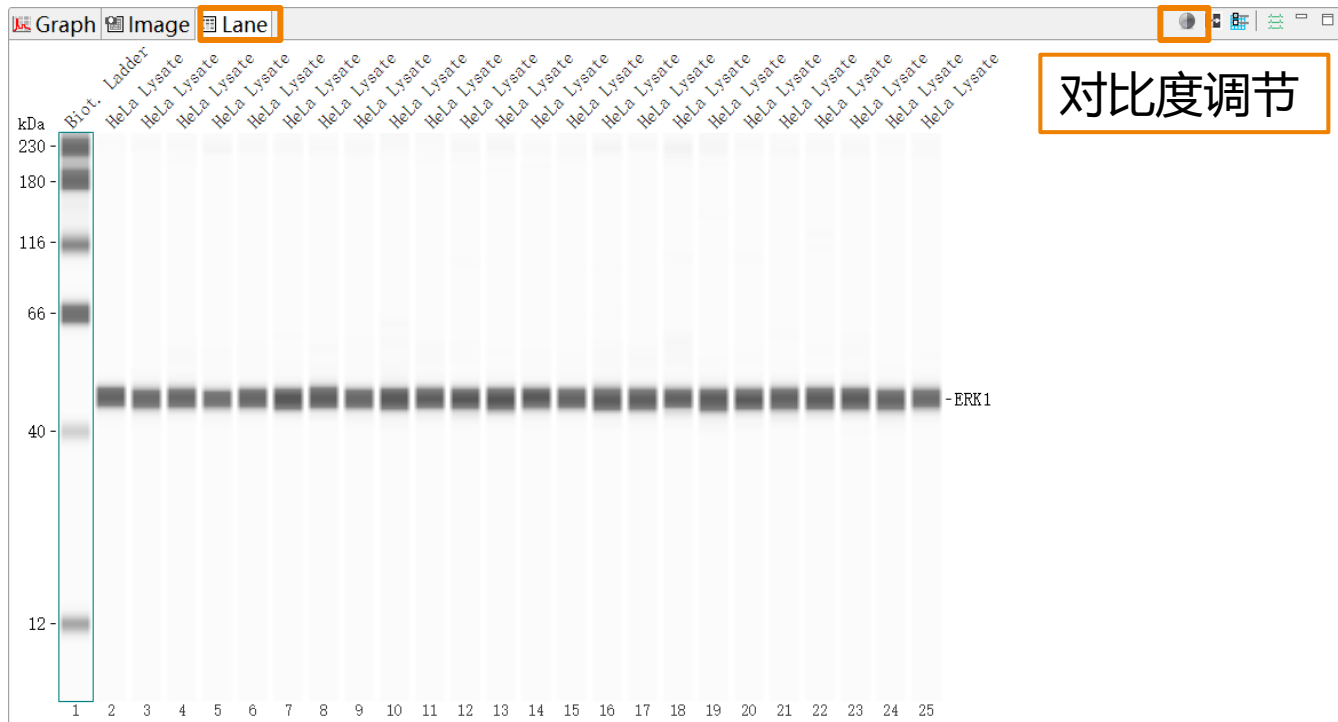
- 大部分报告的结果形式
- 可以任意显示或横向移动泳道
- 可以单独调整每个通道的对比度
 - 对比度调整仅改变图片中条带呈现效果, 峰定量结果不变



ANALYSIS 界面

泳道图

- 大部分报告的结果形式
- 可以任意显示或横向移动泳道
- 可以单独调整每个通道的对比度
 - 对比度调整仅改变图片中条带呈现效果, 峰定量结果不变

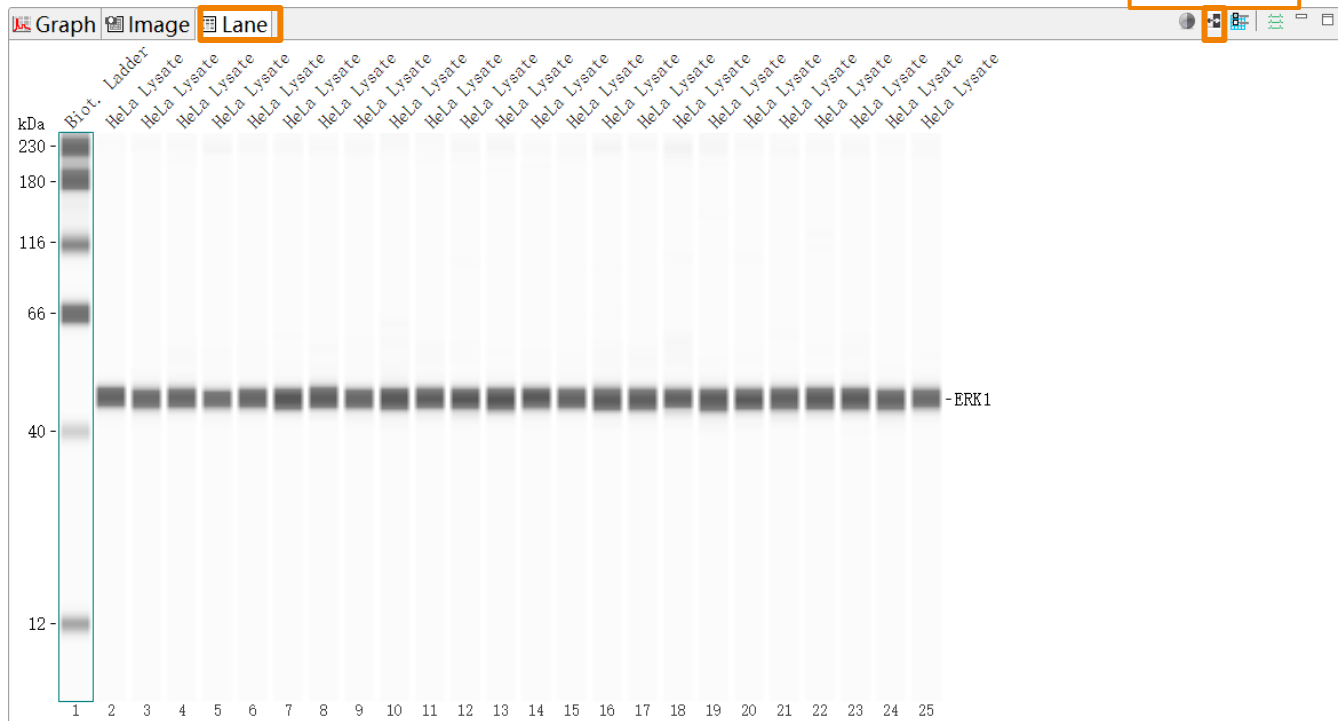


ANALYSIS 界面

反相

泳道图

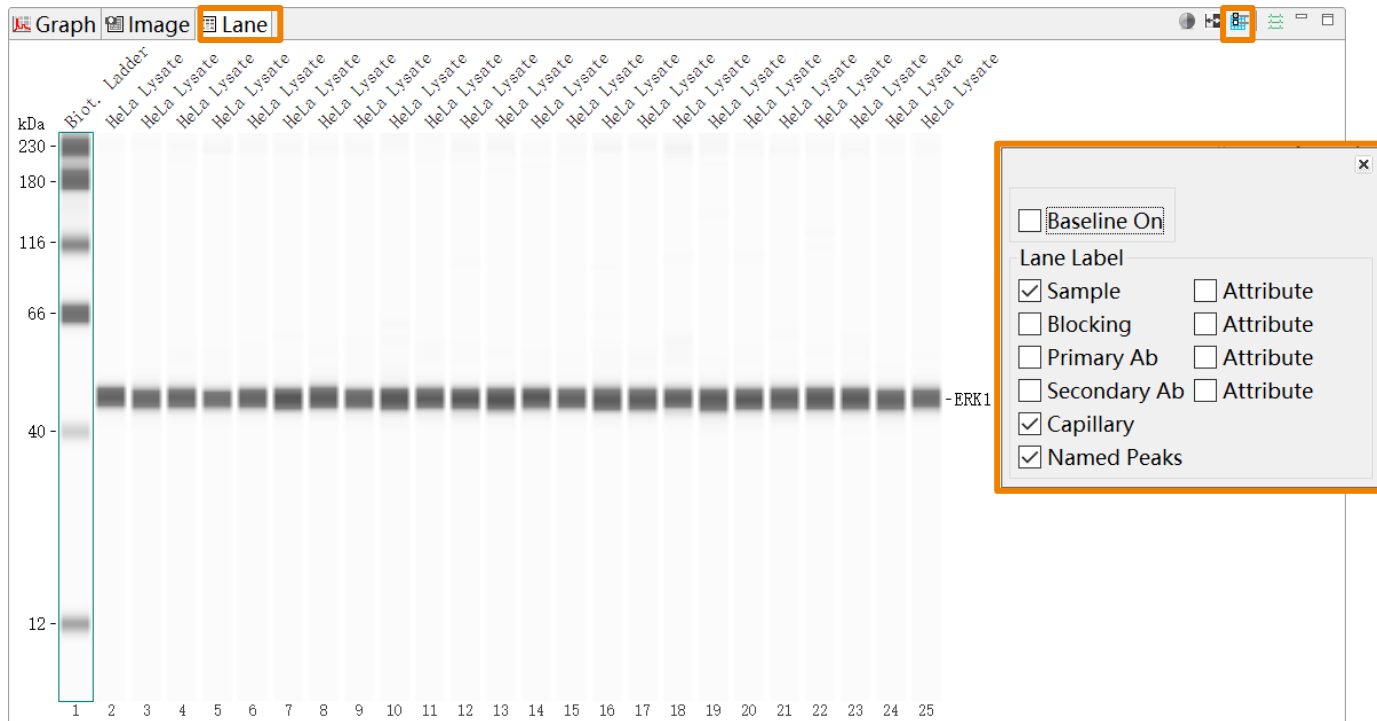
- 大部分报告的结果形式
- 可以任意显示或横向移动泳道
- 可以单独调整每个通道的对比度
 - 对比度调整仅改变图片中条带呈现效果, 峰定量结果不变



ANALYSIS 界面

泳道图

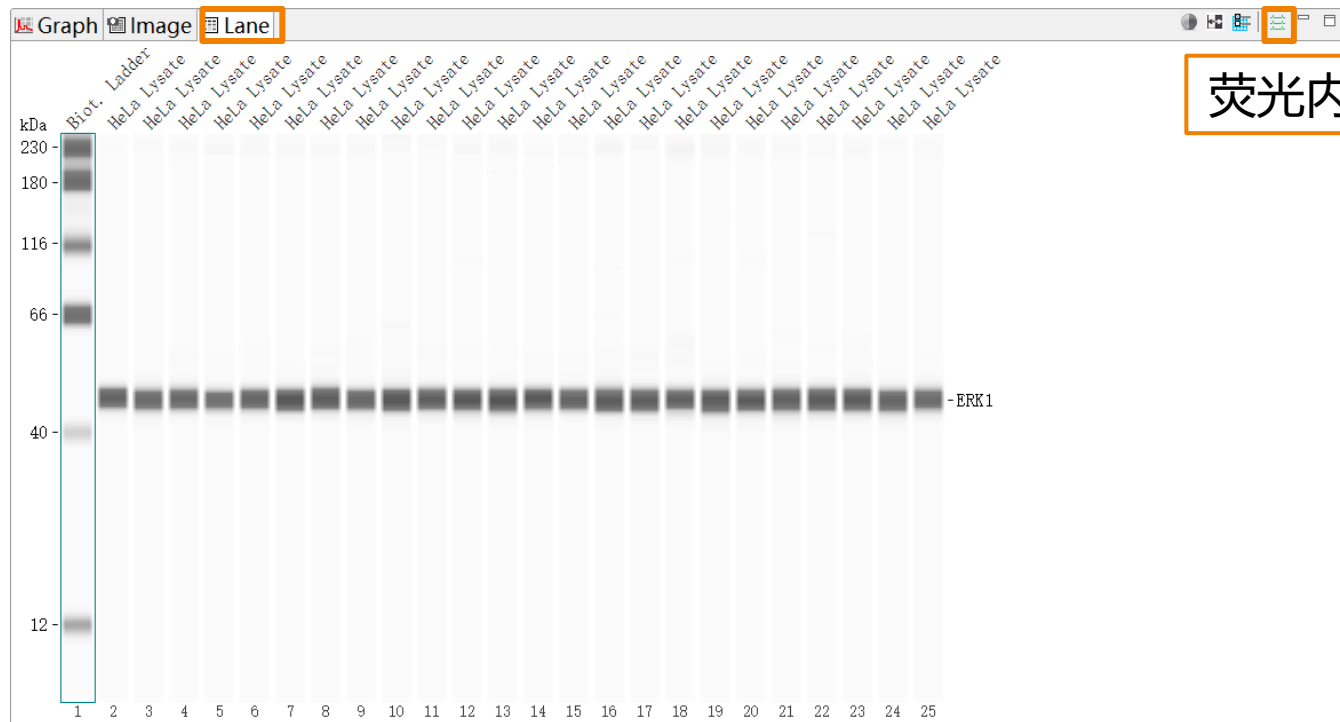
- 大部分报告的结果形式
- 可以任意显示或横向移动泳道
- 可以单独调整每个通道的对比度
 - 对比度调整仅改变图片中条带呈现效果, 峰定量结果不变



ANALYSIS 界面

泳道图

- 大部分报告的结果形式
- 可以任意显示或横向移动泳道
- 可以单独调整每个通道的对比度
 - 对比度调整仅改变图片中条带呈现效果, 峰定量结果不变



ANALYSIS 界面

File Edit View Instrument Window Help

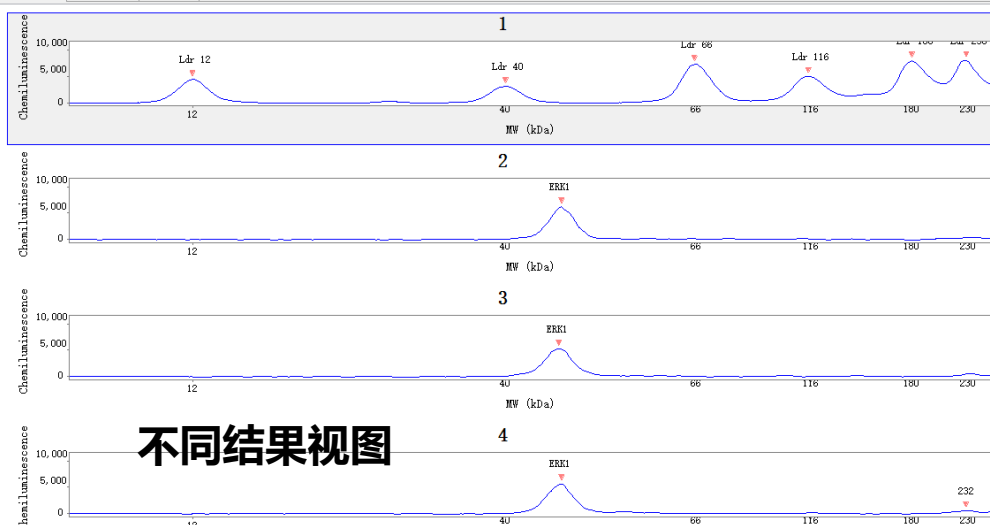
Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

实验窗格

Graph Image Lane



不同结果视图

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

Assay Run Summary Analysis

Analysis Options Annotations

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

ANALYSIS 界面

File Edit View Instrument Window Help

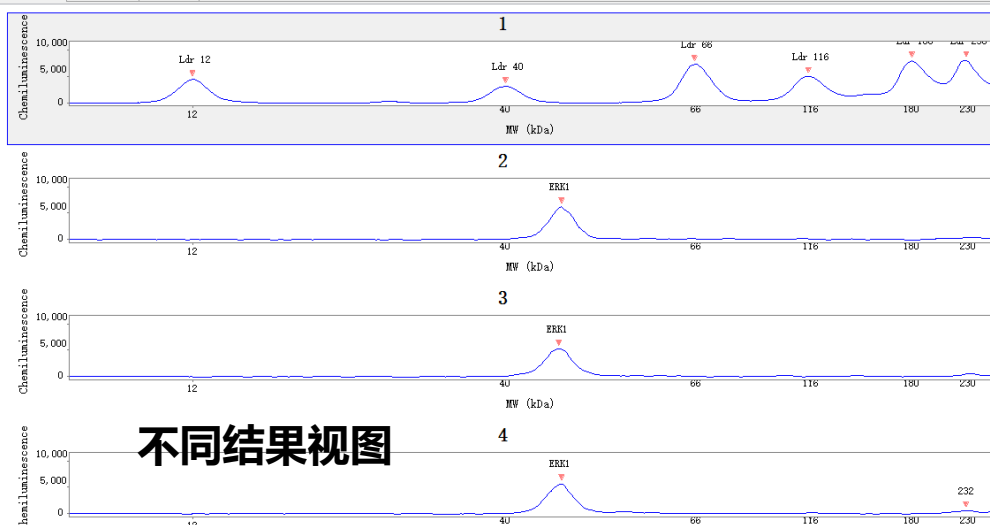
Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

实验窗格

Graph Image Lane



不同结果视图

Peaks Capillaries

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峰统计数据表

Assay Run Summary Analysis

Analysis Options Annotations

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

ANALYSIS 界面

File Edit View Instrument Window Help

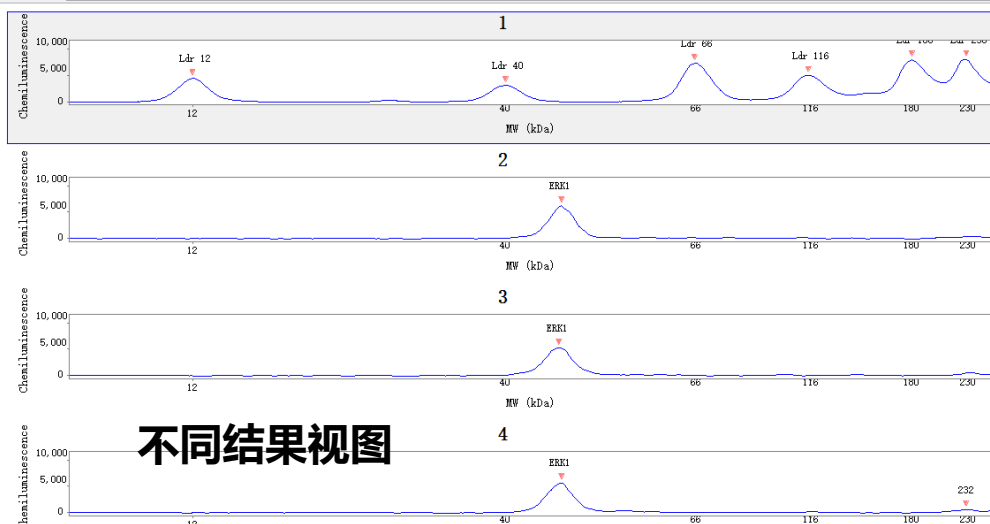
Standards Samples

Experiment

Sample	Primary	C...
Biot. La...	Blocki...	1
HeLa L...	ERK1 ...	2
HeLa L...	ERK1 ...	3
HeLa L...	ERK1 ...	4
HeLa L...	ERK1 ...	5
HeLa L...	ERK1 ...	6
HeLa L...	ERK1 ...	7
HeLa L...	ERK1 ...	8
HeLa L...	ERK1 ...	9
HeLa L...	ERK1 ...	10
HeLa L...	ERK1 ...	11
HeLa L...	ERK1 ...	12
HeLa L...	ERK1 ...	13
HeLa L...	ERK1 ...	14
HeLa L...	ERK1 ...	15
HeLa L...	ERK1 ...	16
HeLa L...	ERK1 ...	17
HeLa L...	ERK1 ...	18
HeLa L...	ERK1 ...	19
HeLa L...	ERK1 ...	20
HeLa L...	ERK1 ...	21
HeLa L...	ERK1 ...	22
HeLa L...	ERK1 ...	23
HeLa L...	ERK1 ...	24
HeLa L...	ERK1 ...	25

实验窗格

Graph Image Lane



不同结果视图

Peaks Capillaries

Sample	Pri...	Cap	Pe...	Na...	Posit...	MW ...	Heig...	Area	% Ar...	Width	S/N	Baseli...
Biot. La...	Blo...	1	1	Ldr ...	355	12	4279...	6515...		14.3	31...	74.8
Biot. La...	Blo...	1	2	Ldr ...	476	40	3056...	4699...		14.4	22...	121.1
Biot. La...	Blo...	1	3	Ldr ...	549	66	7107...	1061...		14.0	53...	143.6
Biot. La...	Blo...	1	4	Ldr ...	593	116	4445...	9318...		19.7	32...	143.3
Biot. La...	Blo...	1	5	Ldr ...	633	180	7398...	1092...		13.9	49...	137.2
Biot. La...	Blo...	1	6	Ldr ...	654	230	6873...	1361...		18.6	44...	132.7
HeLa L...	ERK...	2	1	ERK1	486	48	5901...	7772...	100.0	12.4	26...	242.8

峰统计数据表

Assay Run Summary Analysis

Analysis Options Annotations

Images

Exposures Multi-Image Analysis

Peak Names

Name

MW

Color

Caps

Modify

分析选项窗格

01

Compass 介绍

02

数据分析前检查

03

数据分析

数据分析前检查

- 请确保在查看数据前，先通过几个部分的检查确认实验没有问题，包括荧光内参确认、Ladder确认、数据质量确认
 - 荧光内参整齐并识别良好
 - Ladder 识别良好
 - 化学发光信号无过曝
 - 荧光通道相机无饱和 (Jess)
 - 背景无过高
 - 峰面积正常

1. 荧光内参整齐

File Edit Instrument Window Help

Run: ERK 1 Wes run results rev 001

Status History

run Wes Installation run

path C:\

assay Wes-25 Size

kit info Regular: 12-230 kDa

instrument Wes : Wes WS2002 - WS2002

plate S/N 7751502228

started 星期日 4:10 下午 一月 10, 2016 CST

completed 星期日 6:48 下午 一月 10, 2016 CST

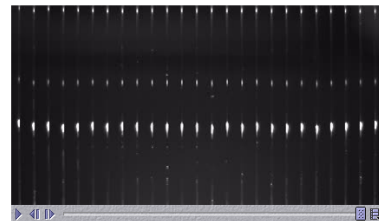
Sample Sep B 1° 2° Detect Results



4:10 下 4:14 下 5:04 下 5:10 下 5:48 下 6:28 下 6:45 下

Assay Run Summary Analysis

Separation IV Plot



1. 荧光内参整齐

File Edit Instrument Window Help

Run: ERK 1 Wes run results rev 001

Status History

run Wes Installation run
path C:\
assay Wes-25 Size
kit info Regular: 12-230 kDa

instrument Wes : Wes WS2002 - WS2002
plate S/N 7751502228

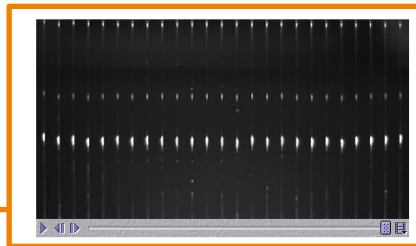
started 星期日 4:10 下午 一月 10, 2016 CST
completed 星期日 6:48 下午 一月 10, 2016 CST

Sample Sep B 1° 2° Detect Results

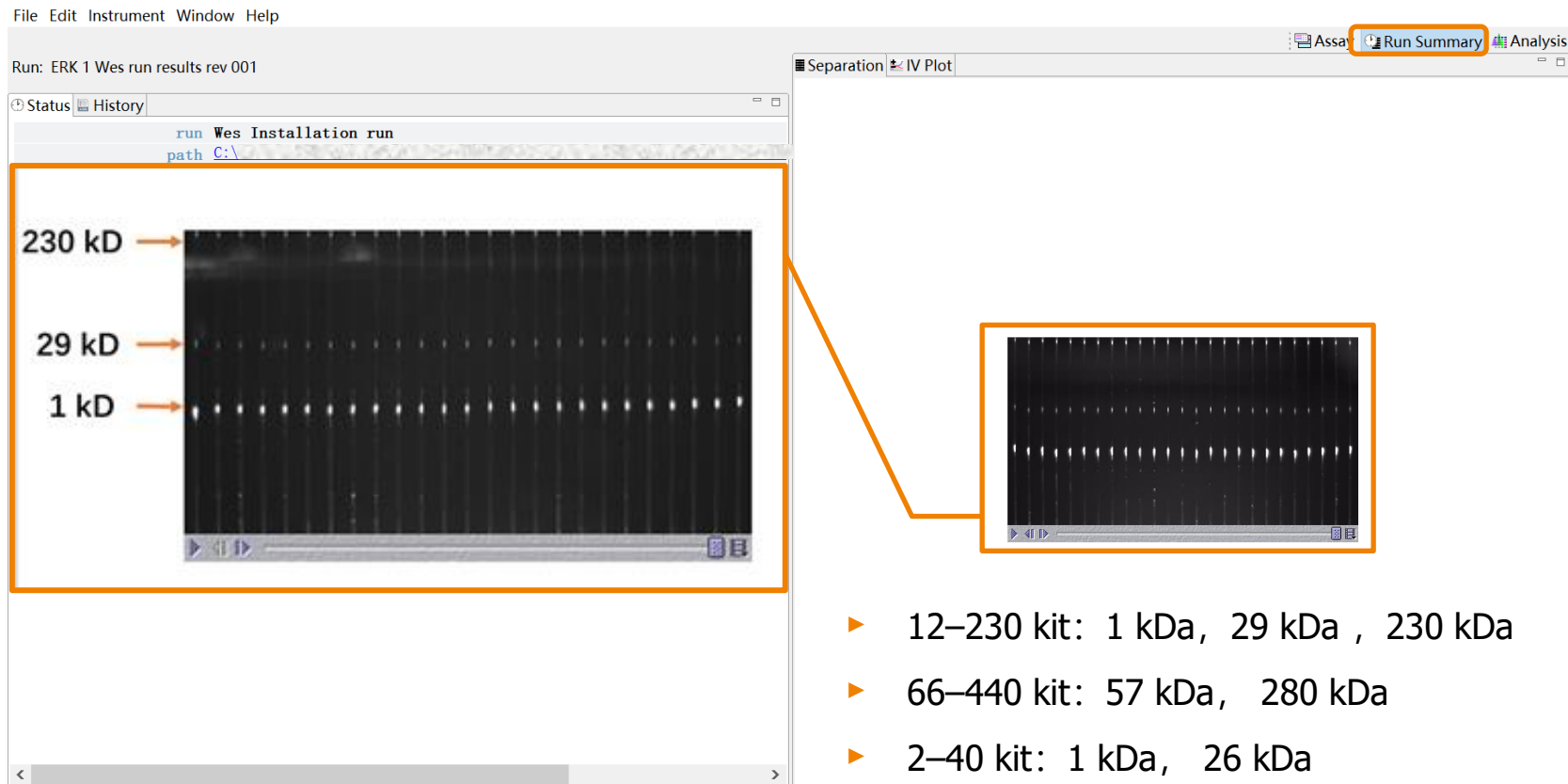
4:10 下 4:14 下 5:04 下 5:10 下 5:48 下 6:28 下 6:45 下

Assay Run Summary Analysis

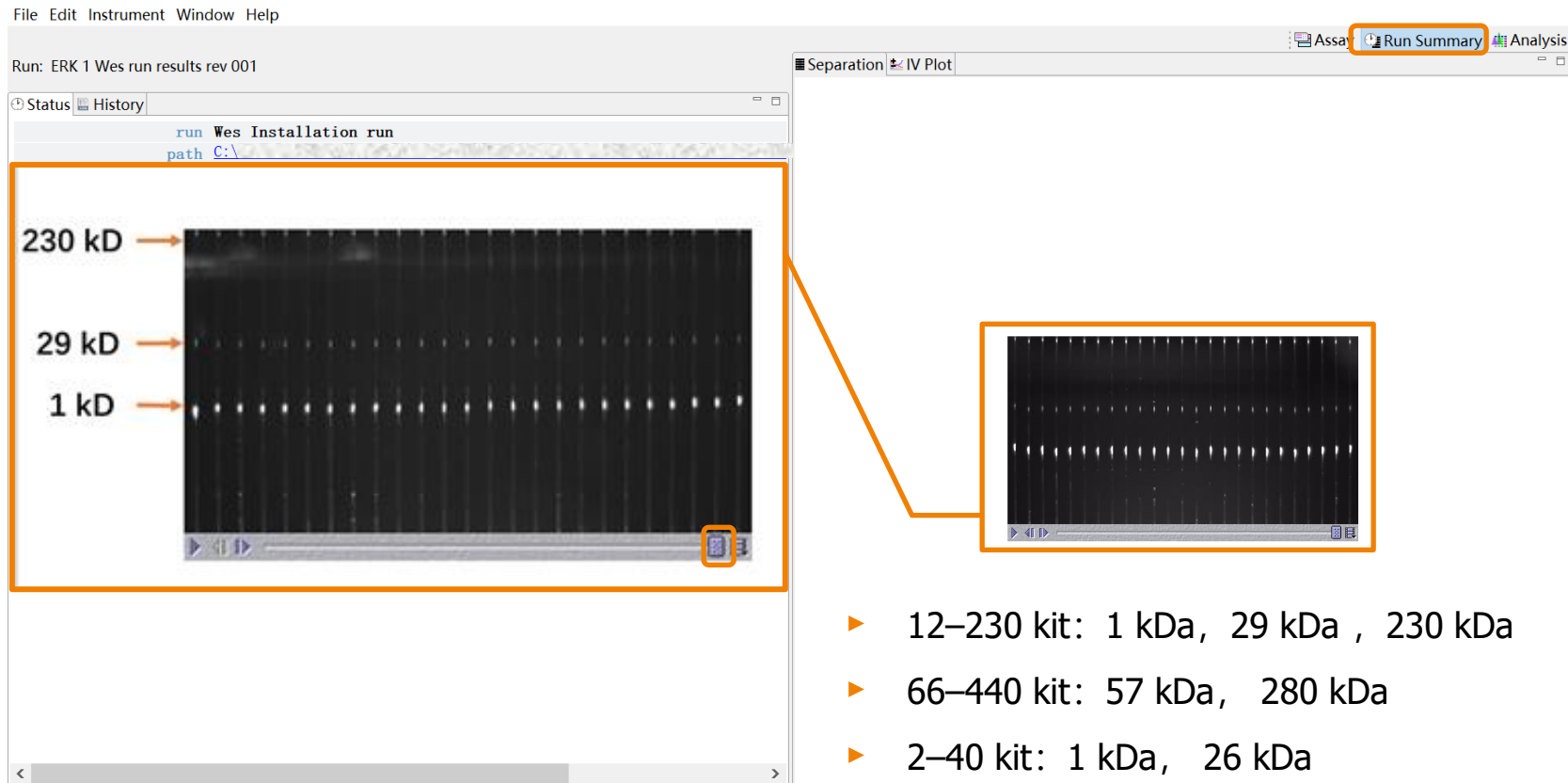
Separation IV Plot



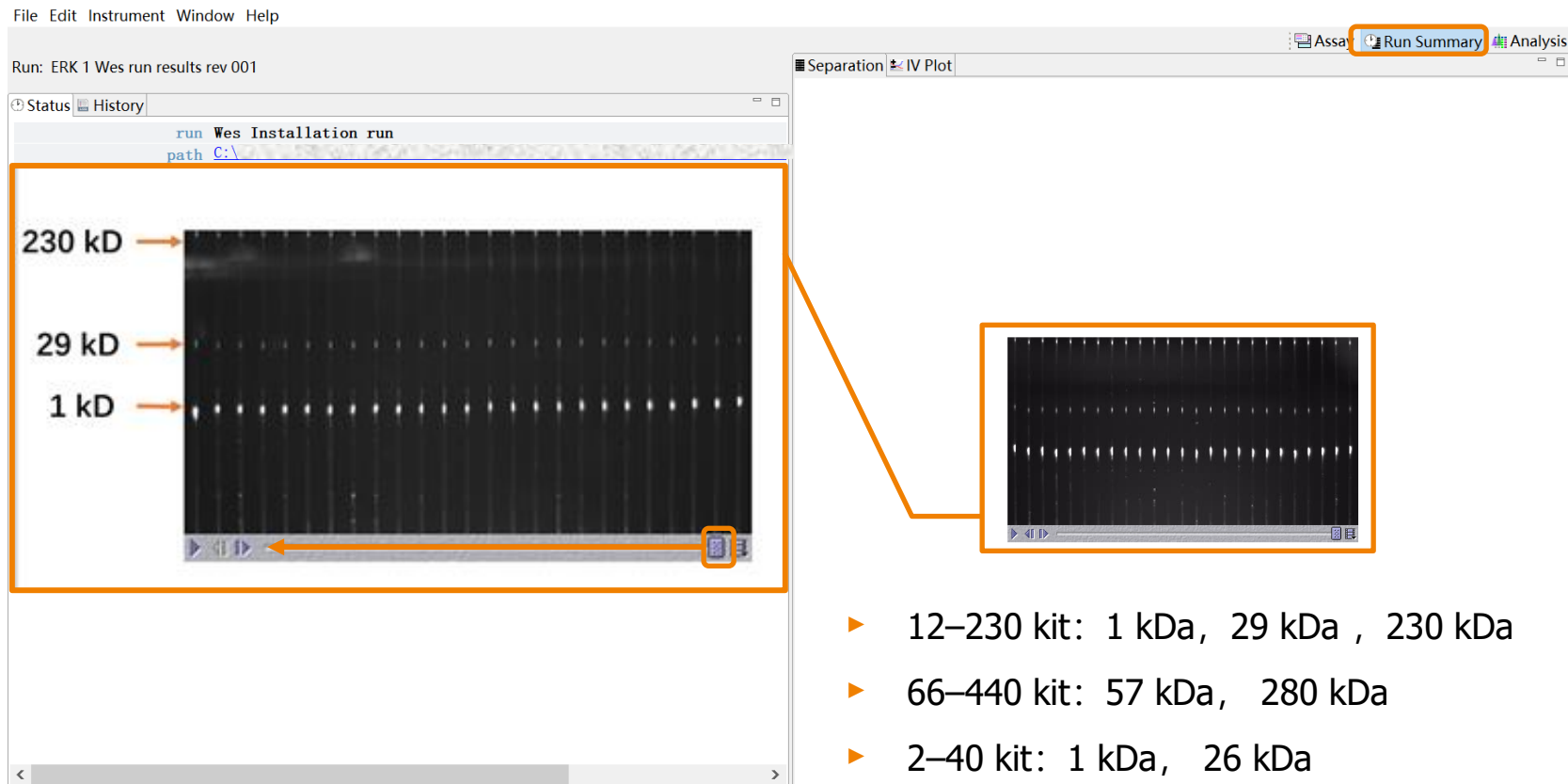
1. 荧光内参整齐



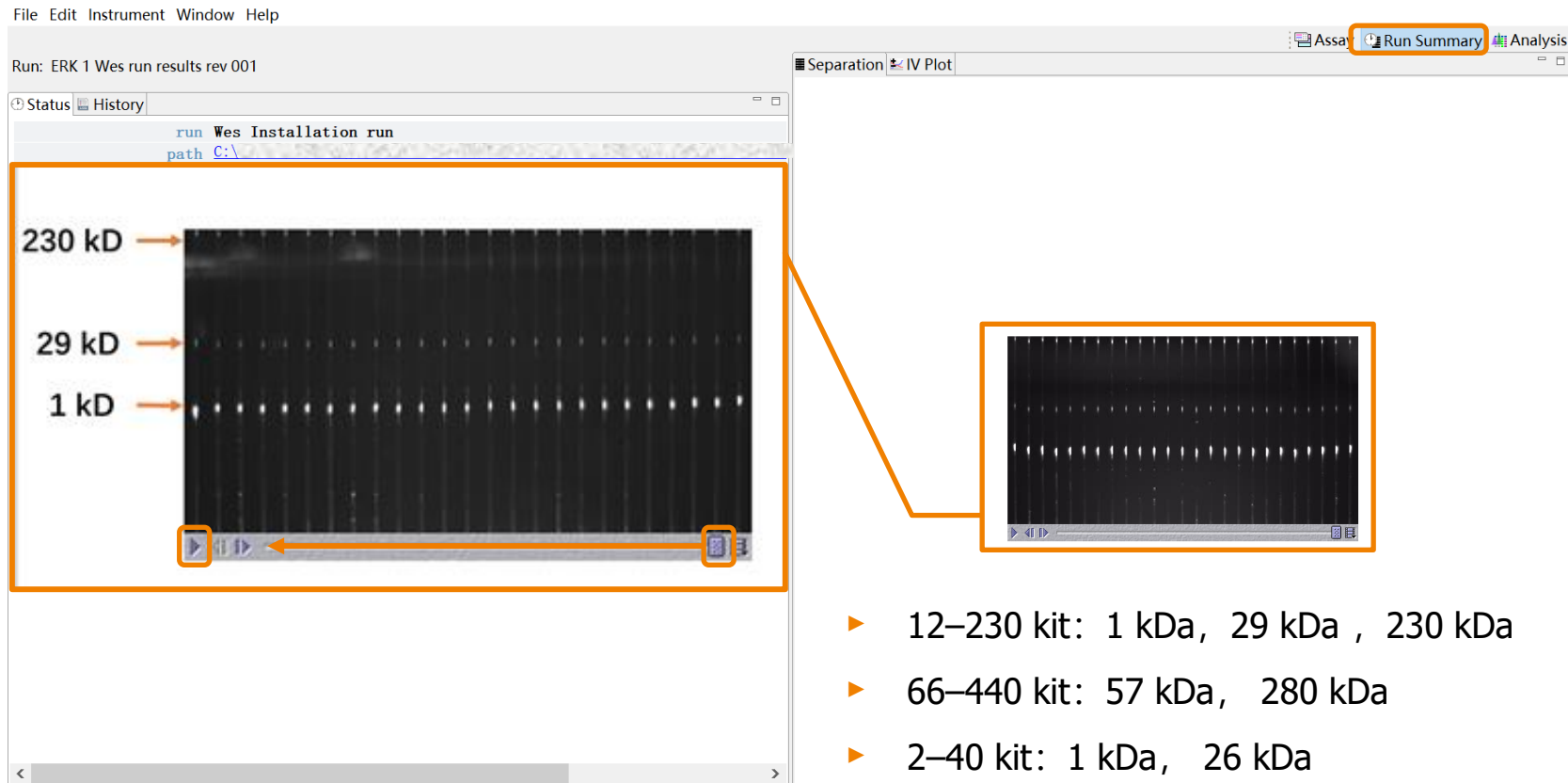
1. 荧光内参整齐



1. 荧光内参整齐

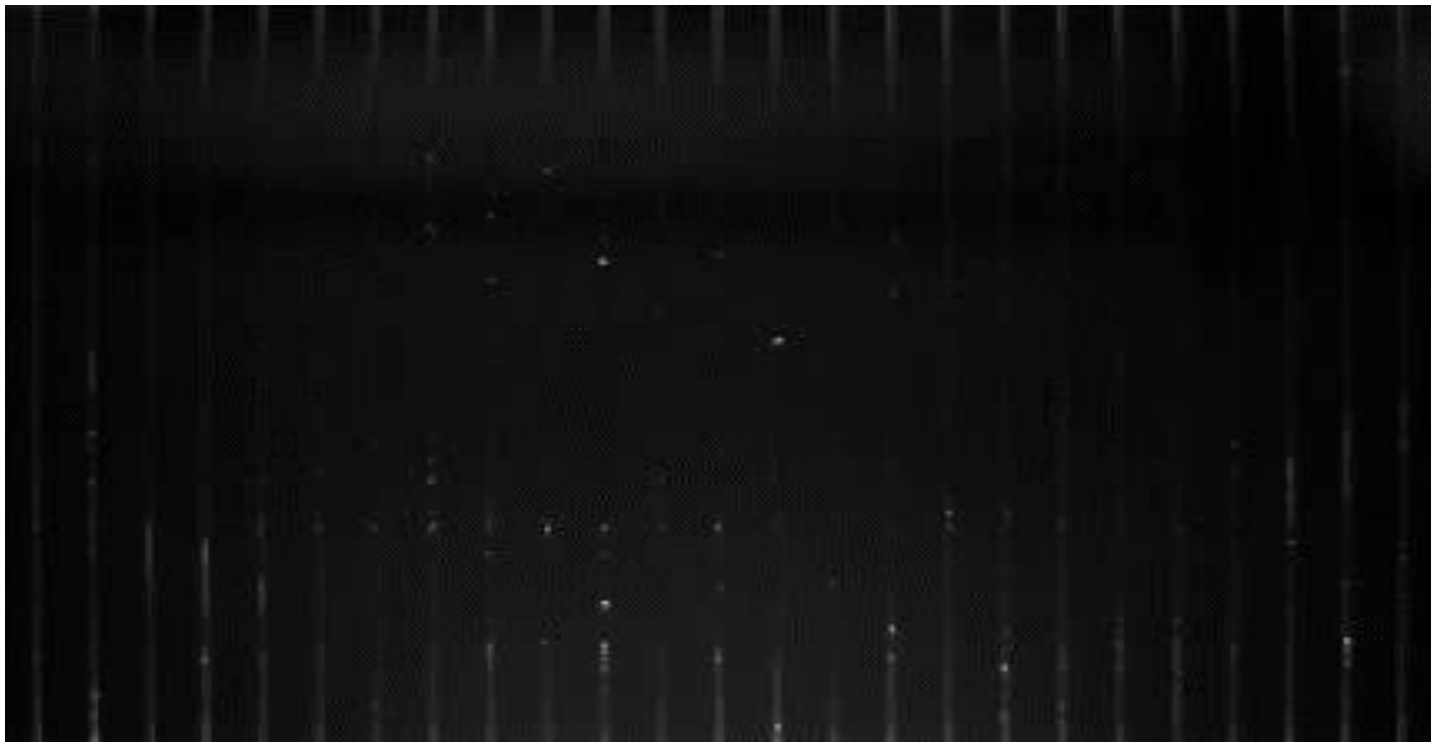


1. 荧光内参整齐

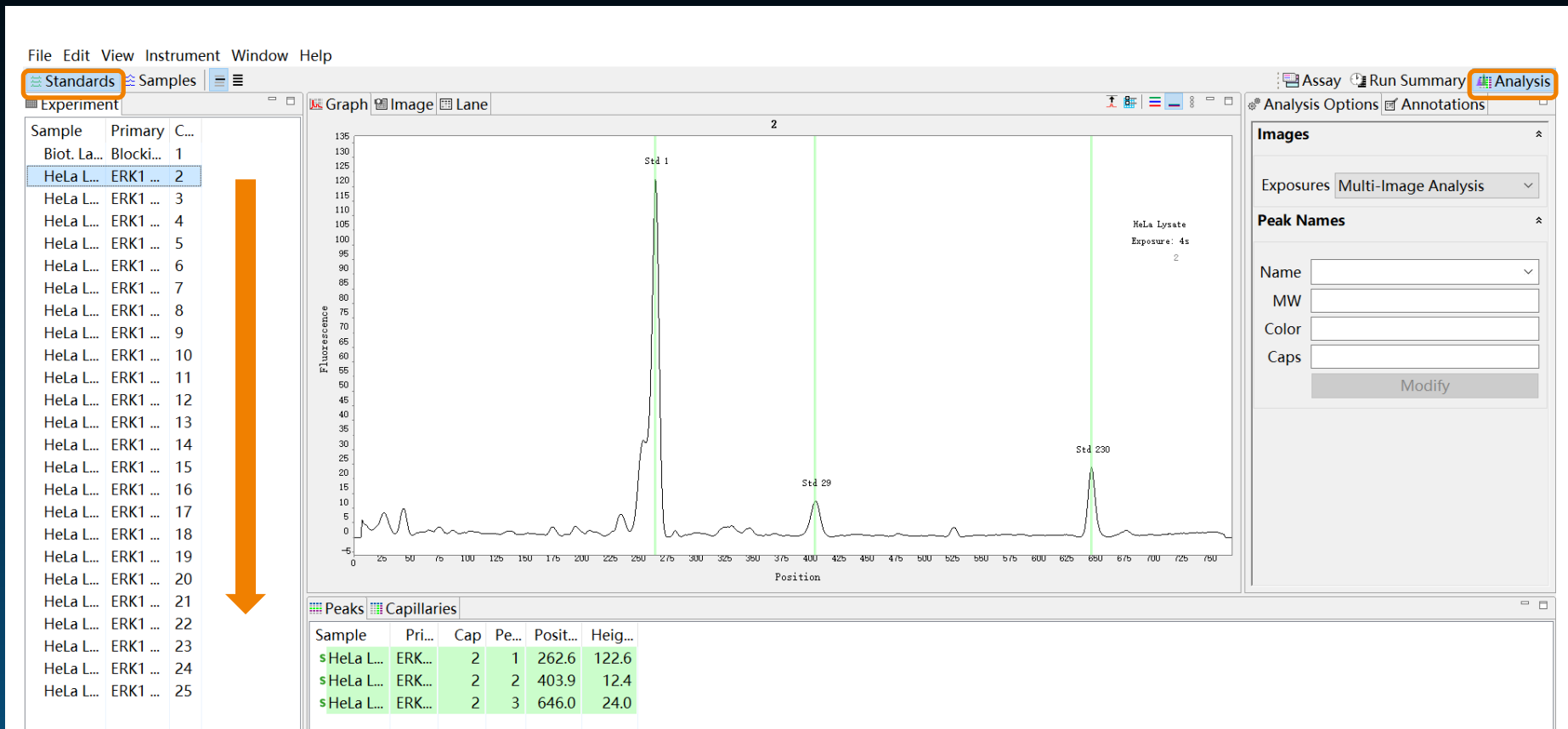


1. 荧光内参整齐

1. 荧光内参整齐



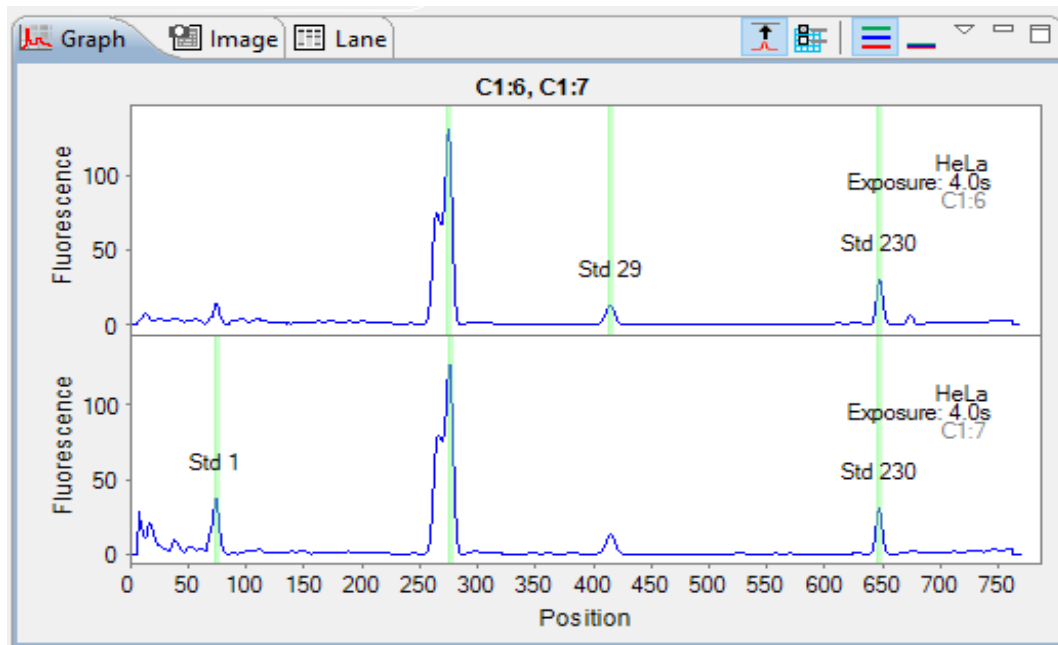
1. 荧光内参整齐



1. 荧光内参整齐

Compass 软件一般能自动识别校正荧光内参，但是偶尔也会识别不正确

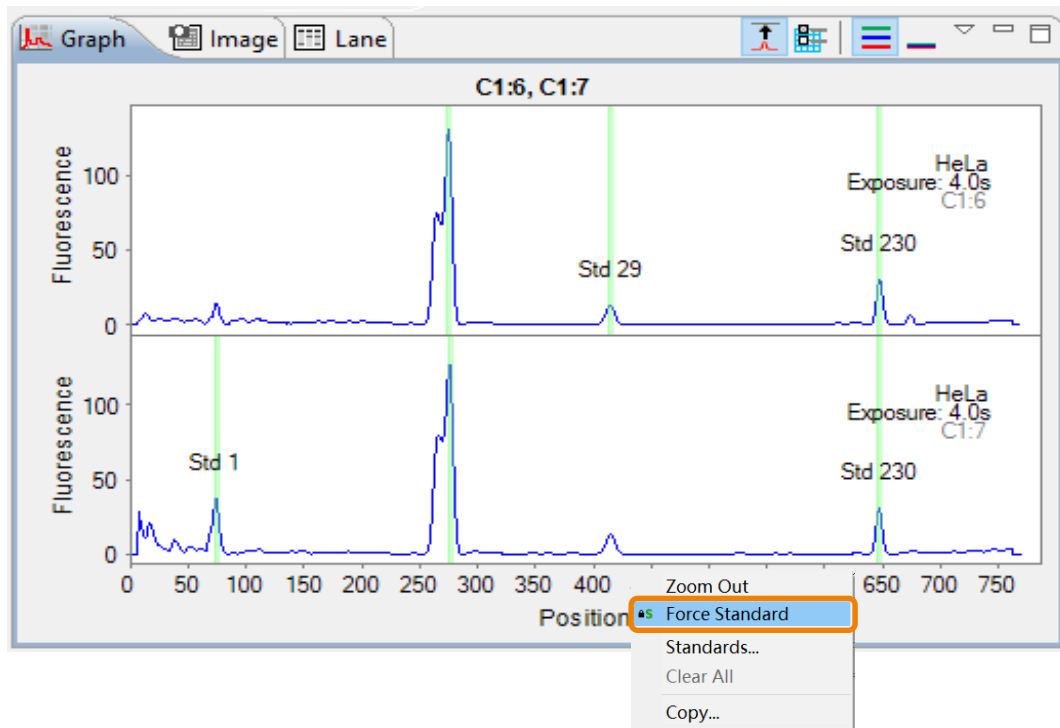
荧光内参识别不正确，将导致**分子量计算错误**



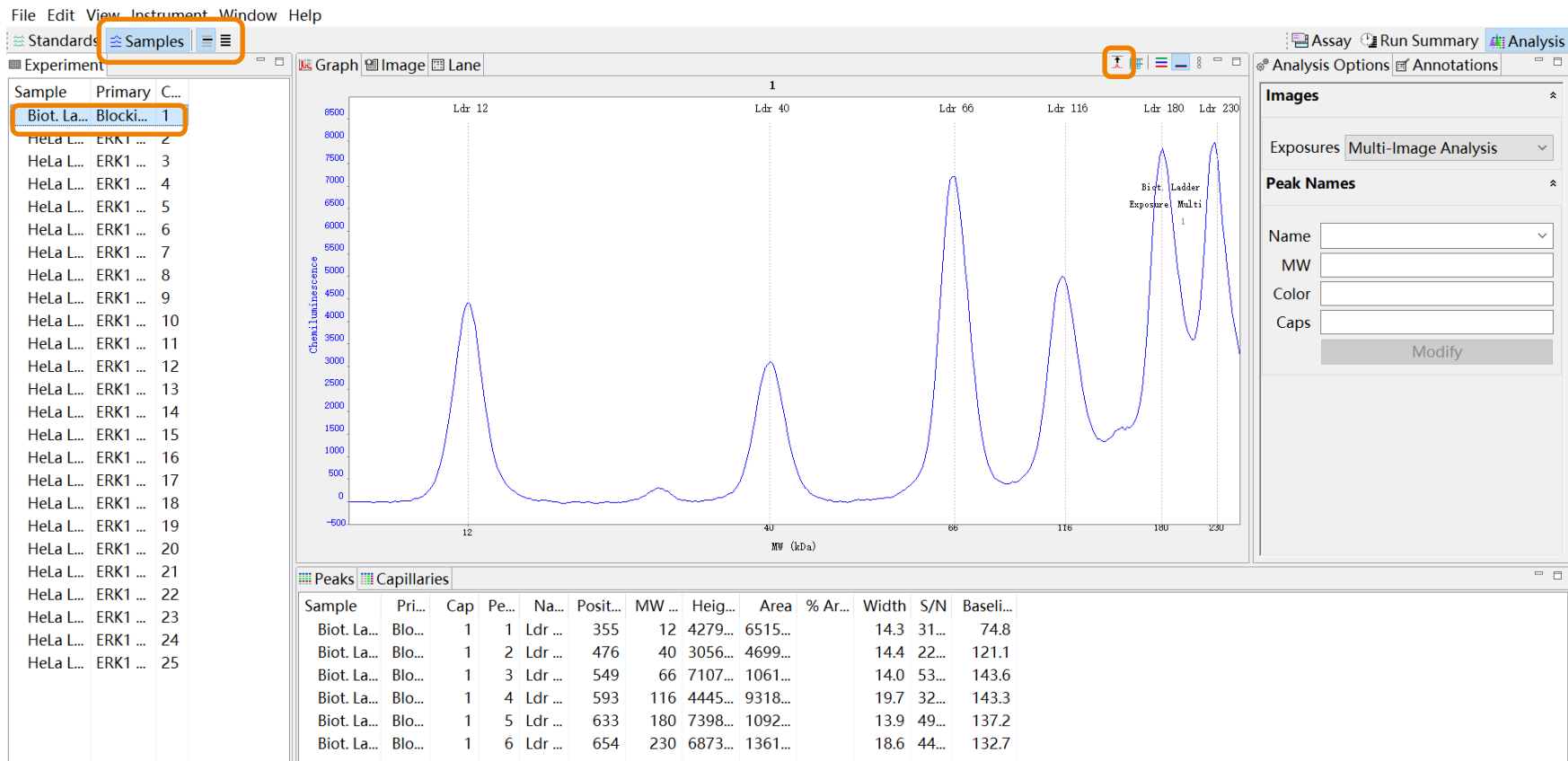
1. 荧光内参整齐

Compass 软件一般能自动识别校正荧光内参，但是偶尔也会识别不正确

荧光内参识别不正确，将导致**分子量计算错误**



2. LADDER 识别良好



2. LADDER 识别良好

1. 如果 ladder 峰识别错误, 点击右键进行校正

- 注意您的 ladder 通道要选择正确

2. 如果有一个 ladder 峰不可见, 可能调整下视野

- 点击 View → View Region , 选择 *Full Range*, 可查看整个毛细管的视野数据

3. 如果不能通过识别来校正某个 *ladder* 峰

点击 Edit → analysis → ladders.

- 如有必要, 移除某个Ladder; 或选择 “none” 关闭 ladder 选项

Standards

Ladders

Images

Normalization

Peak Names

Peak Fit

Lane Contrast

Signal to Noise

Advanced

Ladders

Ladder

Channel: CHEMI

Capillary: None

MW (kDa)

12

40

66

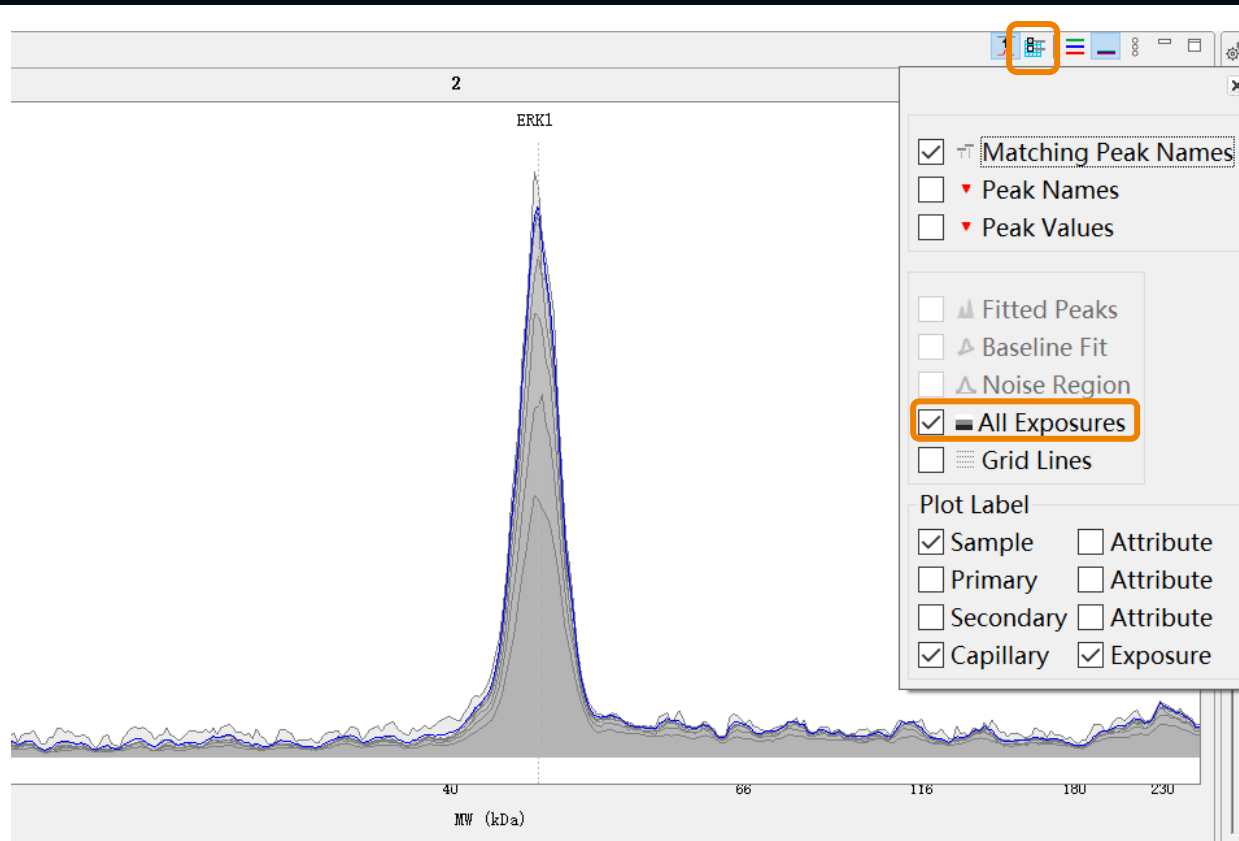
116

180

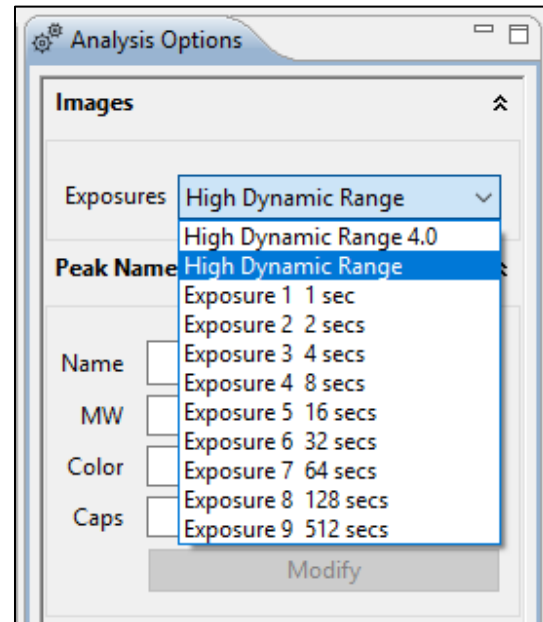
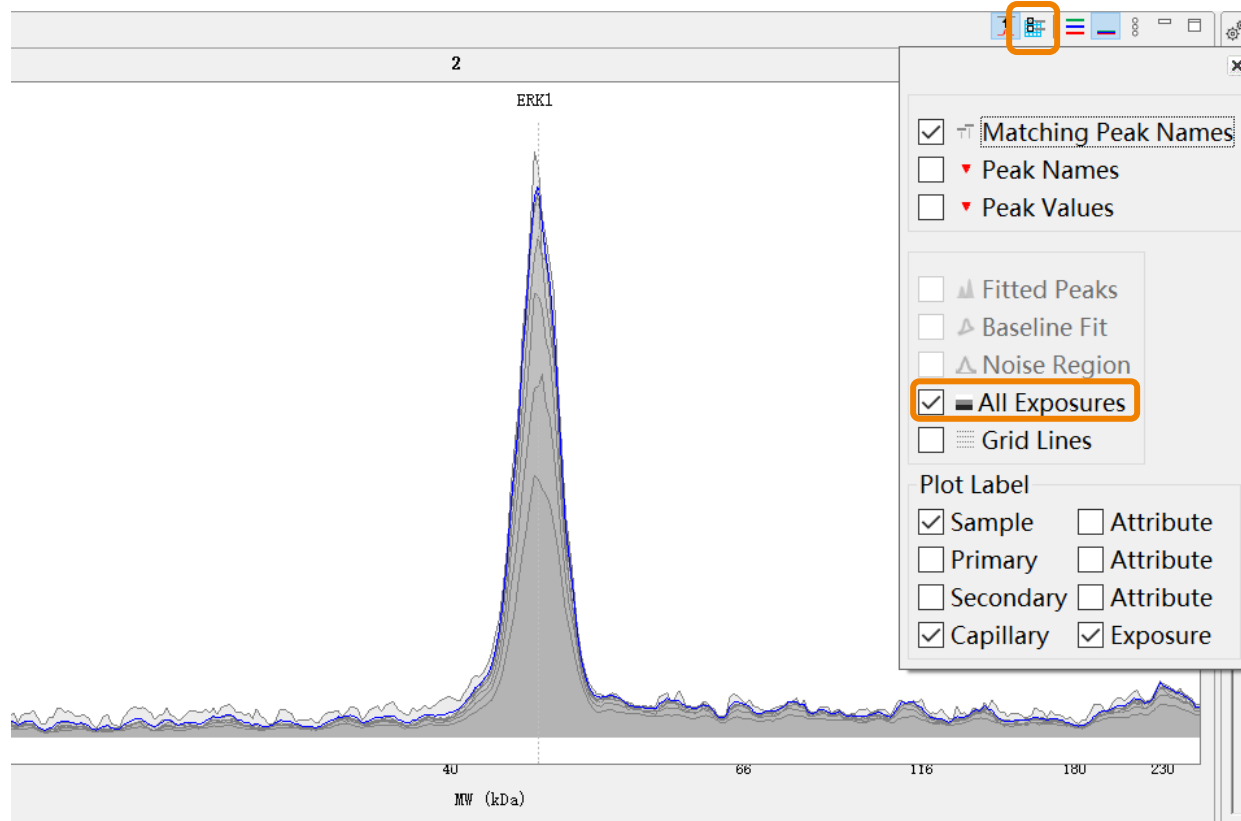
230

* 在没有 ladder 识别的情况下, Compass 软件依赖于每个毛细管内的**荧光内参**进行分子量计算

3. 化学发光信号无过曝

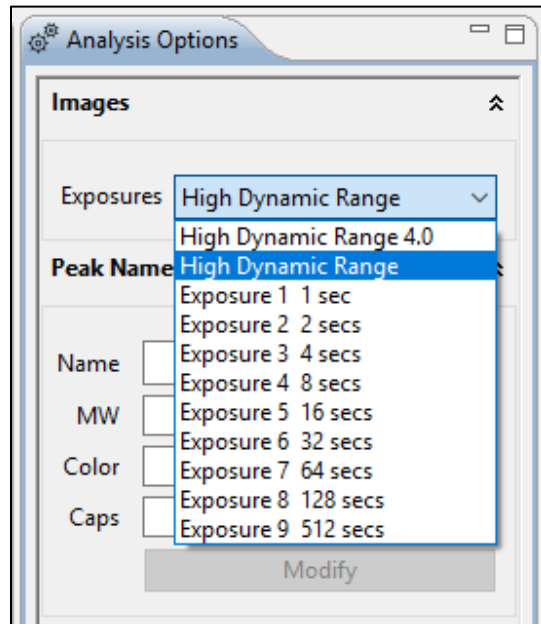
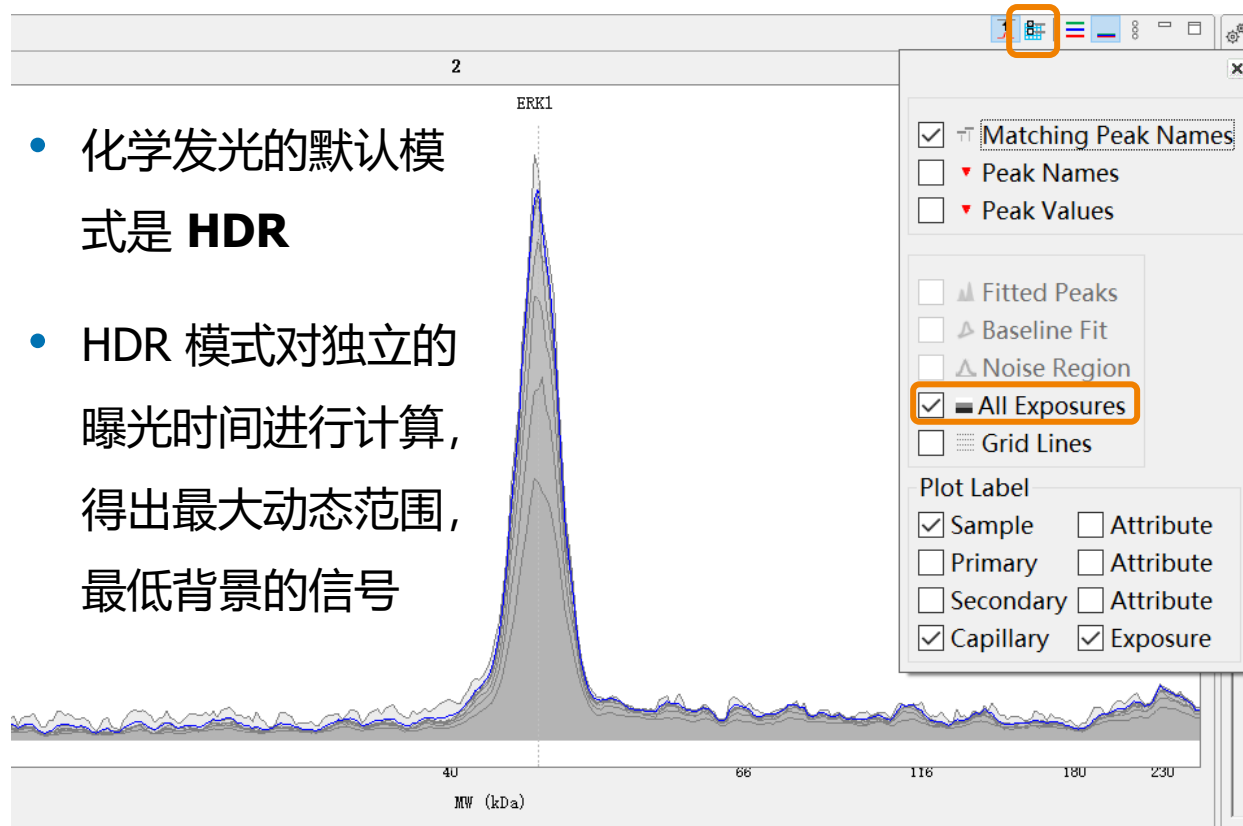


3. 化学发光信号无过曝



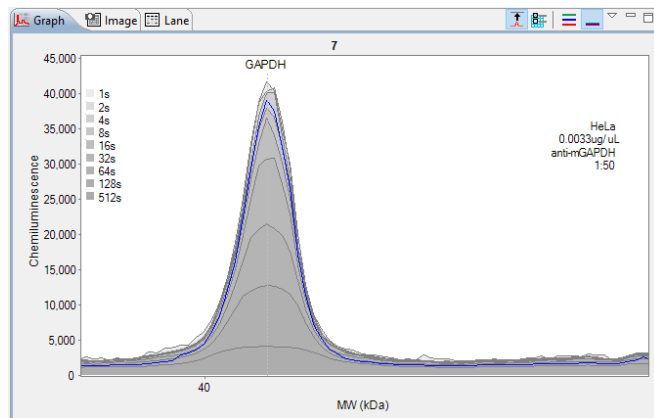
3. 化学发光信号无过曝

- 化学发光的默认模式是 **HDR**
- HDR 模式对独立的曝光时间进行计算, 得出最大动态范围, 最低背景的信号

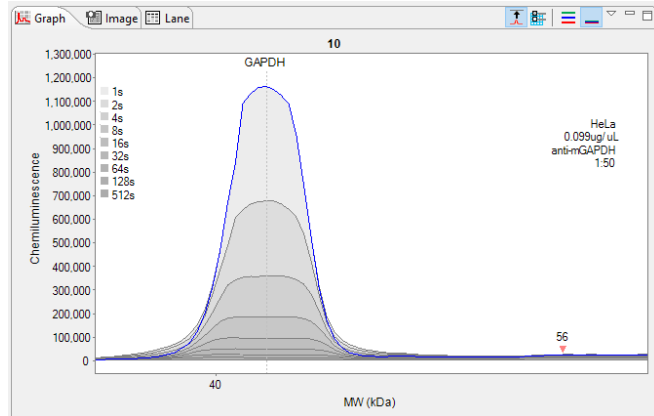


3. 化学发光信号无过曝

- 化学发光信号实际上是信号/时间的比值。
 - 在长曝光时间中，信号衰减，所以峰高下降
- 如果您看到在前几个曝光时间中，某个峰的信号明显下降，说明：
 - 化学发光底物消耗完
 - 该信号超出了动态范围
- 保持化学发光的峰高小于
300,000



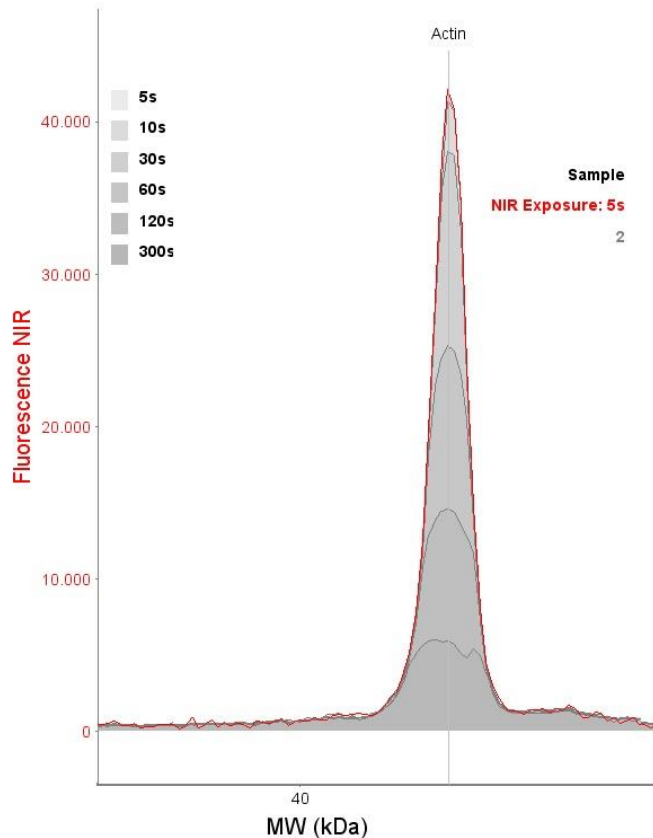
正常
信号



过曝
信号

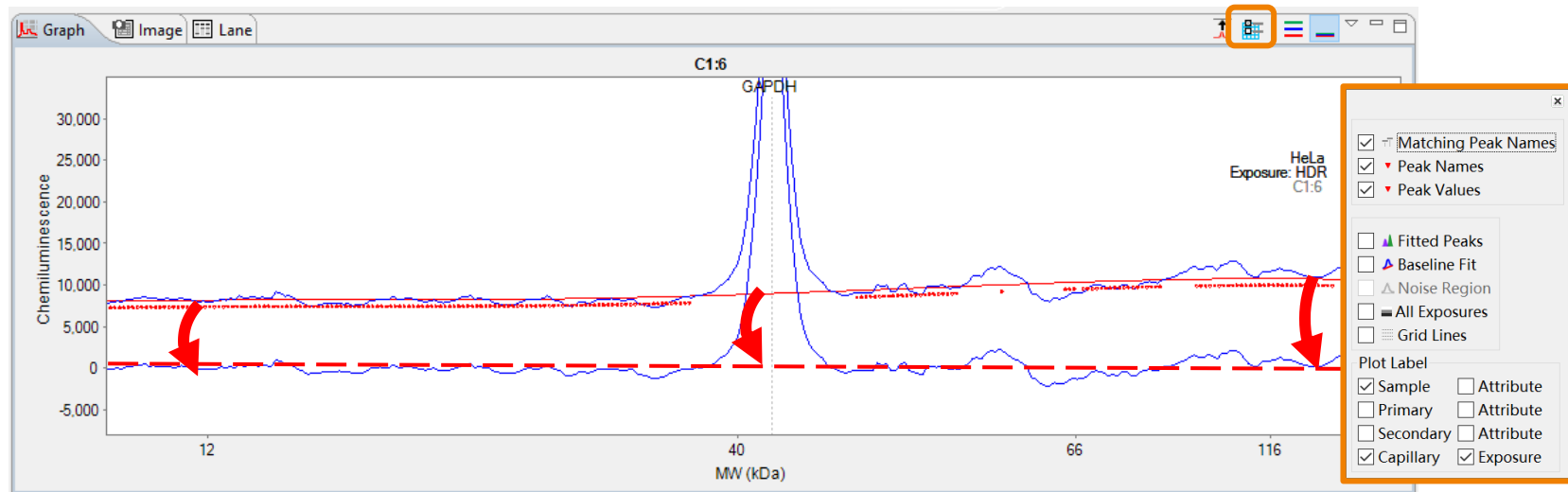
4. 荧光通道相机无饱和 (JESS)

- 在荧光通道中，信号太强有可能导致相机像素饱和
- 一旦观察到信号开始下降，说明相机饱和
- 分析数据时，选取信号稳定的曝光时间
- 因此，最小的两个曝光时间峰应该重叠，否则说明相机较快饱和
- 保证荧光检测的峰高低于 **60,000**



5. 背景无过高——基线拟合

- 软件默认显示扣除背景后的信号曲线 (背景设为0)
- 要观察基线, 需要勾选 “Baseline fit”; 基线参数设置在 Edit→Analysis...中
- 软件根据基线下面的点拟合出基线, 可添加或删除基线点



5. 背景无过高——基线拟合

- 为什么高背景是个问题？
 - 信号饱和风险
 - 显著减弱动态范围
 - 降低检测灵敏度

Sample	Primary	Cap	Peak	Name	Position	MW (kDa)	Height	Area	% Area	Width	S/N	Baseline
Biot. Ladder	Blocking	1	1	Ldr 12	355	12	4279.4	66444.9		14.6	1667.0	22.5
Biot. Ladder	Blocking	1	2	Ldr 40	476	40	3095.9	49008.2		14.9	1180.9	35.6
Biot. Ladder	Blocking	1	3	Ldr 66	549	66	7139.7	109106.0		14.4	2831.7	40.0
Biot. Ladder	Blocking	1	4	Ldr 116	593	116	4454.0	97617.1		20.6	1743.1	41.4
Biot. Ladder	Blocking	1	5	Ldr 180	633	180	7471.2	111393.5		14.0	2652.4	41.8
Biot. Ladder	Blocking	1	6	Ldr 230	654	230	6921.9	137776.2		18.7	2454.0	41.8
HeLa Lysate	ERK1 RTU	2	1	ERK1	486	48	5940.1	80205.3	100.0	12.7	412.8	183.9

5. 背景无过高——基线拟合

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基线拟合

Sample	Primary	Cap	Peak	Name	Position	MW (kDa)	Height	Area	% Area	Width	S/N	Baseline
Biot. Ladder	Blocking	1	1	Ldr 12	355	12	4279.4	66444.9		14.6	1667.0	22.5
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5. 背景无过高——基线拟合

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 - 降低检测灵敏度

样品

Sample	Primary	Cap	Peak	Name	Position	MW (kDa)	Height	Area	% Area	Width	S/N	Baseline
Biot. Ladder	Blocking	1	1	Ldr 12	355	12	4279.4	66444.9		14.6	1667.0	22.5
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Biot. Ladder	Blocking	1	5	Ldr 180	633	180	7471.2	111393.5		14.0	2652.4	41.8
Biot. Ladder	Blocking	1	6	Ldr 230	654	230	6921.9	137776.2		18.7	2454.0	41.8
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 - 降低检测灵敏度

一抗

Sample	Primary	Cap	Peak	Name	Position	MW (kDa)	Height	Area	% Area	Width	S/N	Baseline
Biot. Ladder	Blocking	1	1	Ldr 12	355	12	4279.4	66444.9		14.6	1667.0	22.5
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Biot. Ladder	Blocking	1	3	Ldr 66	549	66	7139.7	109106.0		14.4	2831.7	40.0
Biot. Ladder	Blocking	1	4	Ldr 116	593	116	4454.0	97617.1		20.6	1743.1	41.4
Biot. Ladder	Blocking	1	5	Ldr 180	633	180	7471.2	111393.5		14.0	2652.4	41.8
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 - 降低检测灵敏度

毛细管号

Sample	Primary	Cap	Peak	Name	Position	MW (kDa)	Height	Area	% Area	Width	S/N	Baseline
Biot. Ladder	Blocking	1	1	Ldr 12	355	12	4279.4	66444.9		14.6	1667.0	22.5
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Biot. Ladder	Blocking	1	5	Ldr 180	633	180	7471.2	111393.5		14.0	2652.4	41.8
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峰序号

Sample	Primary	Cap	Peak	Name	Position	MW (kDa)	Height	Area	% Area	Width	S/N	Baseline
Biot. Ladder	Blocking	1	1	Ldr 12	355	12	4279.4	66444.9		14.6	1667.0	22.5
Biot. Ladder	Blocking	1	2	Ldr 40	476	40	3095.9	49008.2		14.9	1180.9	35.6
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峰名

Sample	Primary	Cap	Peak	Name	Position	MW (kDa)	Height	Area	% Area	Width	S/N	Baseline
Biot. Ladder	Blocking	1	1	Ldr 12	355	12	4279.4	66444.9		14.6	1667.0	22.5
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迁移位置

Sample	Primary	Cap	Peak	Name	Position	MW (kDa)	Height	Area	% Area	Width	S/N	Baseline
Biot. Ladder	Blocking	1	1	Ldr 12	355	12	4279.4	66444.9		14.6	1667.0	22.5
Biot. Ladder	Blocking	1	2	Ldr 40	476	40	3095.9	49008.2		14.9	1180.9	35.6
Biot. Ladder	Blocking	1	3	Ldr 66	549	66	7139.7	109106.0		14.4	2831.7	40.0
Biot. Ladder	Blocking	1	4	Ldr 116	593	116	4454.0	97617.1		20.6	1743.1	41.4
Biot. Ladder	Blocking	1	5	Ldr 180	633	180	7471.2	111393.5		14.0	2652.4	41.8
Biot. Ladder	Blocking	1	6	Ldr 230	654	230	6921.9	137776.2		18.7	2454.0	41.8
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分子量

Sample	Primary	Cap	Peak	Name	Position	MW (kDa)	Height	Area	% Area	Width	S/N	Baseline
Biot. Ladder	Blocking	1	1	Ldr 12	355	12	4279.4	66444.9		14.6	1667.0	22.5
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峰高

Sample	Primary	Cap	Peak	Name	Position	MW (kDa)	Height	Area	% Area	Width	S/N	Baseline
Biot. Ladder	Blocking	1	1	Ldr 12	355	12	4279.4	66444.9		14.6	1667.0	22.5
Biot. Ladder	Blocking	1	2	Ldr 40	476	40	3095.9	49008.2		14.9	1180.9	35.6
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 - 降低检测灵敏度

峰面积

Sample	Primary	Cap	Peak	Name	Position	MW (kDa)	Height	Area	% Area	Width	S/N	Baseline
Biot. Ladder	Blocking	1	1	Ldr 12	355	12	4279.4	66444.9		14.6	1667.0	22.5
Biot. Ladder	Blocking	1	2	Ldr 40	476	40	3095.9	49008.2		14.9	1180.9	35.6
Biot. Ladder	Blocking	1	3	Ldr 66	549	66	7139.7	109106.0		14.4	2831.7	40.0
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 - 显著减弱动态范围
 - 降低检测灵敏度

相对峰面积

Sample	Primary	Cap	Peak	Name	Position	MW (kDa)	Height	Area	% Area	Width	S/N	Baseline
Biot. Ladder	Blocking	1	1	Ldr 12	355	12	4279.4	66444.9		14.6	1667.0	22.5
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 - 降低检测灵敏度

峰宽

Sample	Primary	Cap	Peak	Name	Position	MW (kDa)	Height	Area	% Area	Width	S/N	Baseline
Biot. Ladder	Blocking	1	1	Ldr 12	355	12	4279.4	66444.9		14.6	1667.0	22.5
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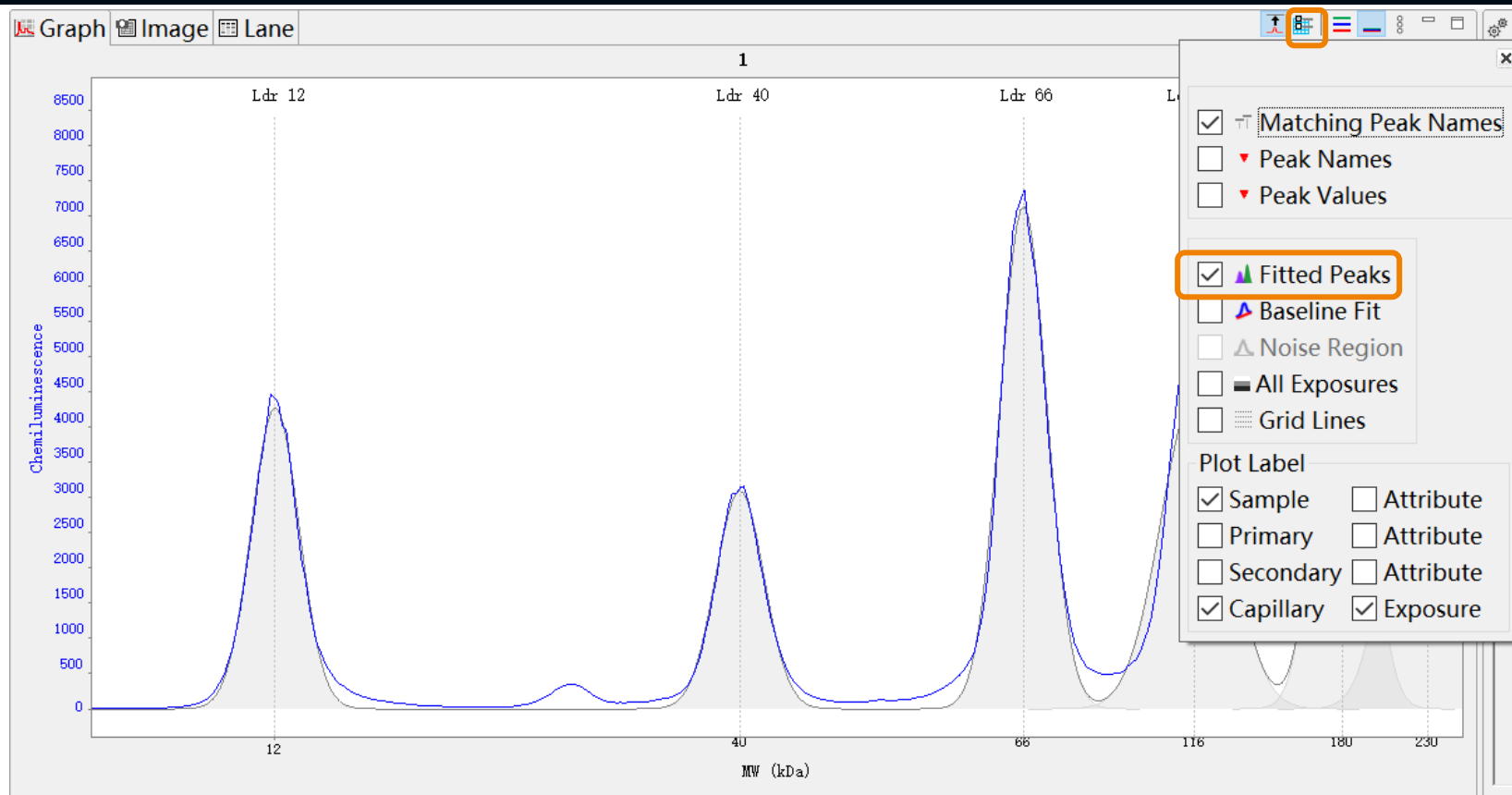
5. 背景无过高——基线拟合

- 为什么高背景是个问题？
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 - 降低检测灵敏度

信噪比

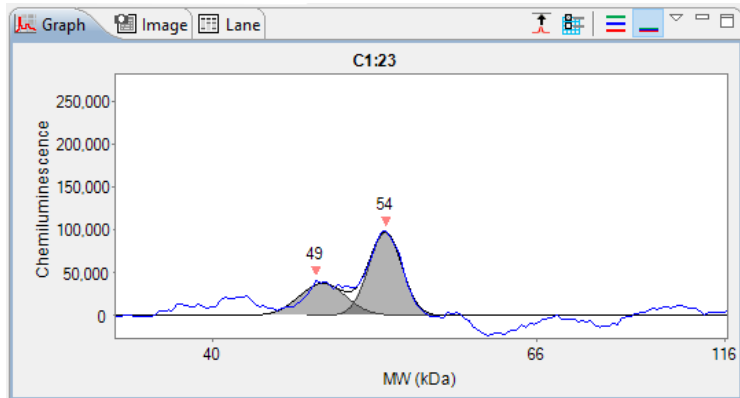
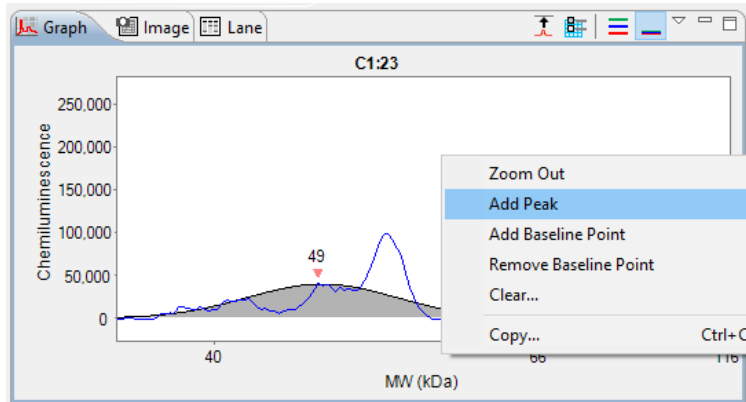
Sample	Primary	Cap	Peak	Name	Position	MW (kDa)	Height	Area	% Area	Width	S/N	Baseline
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5. 峰面积正常



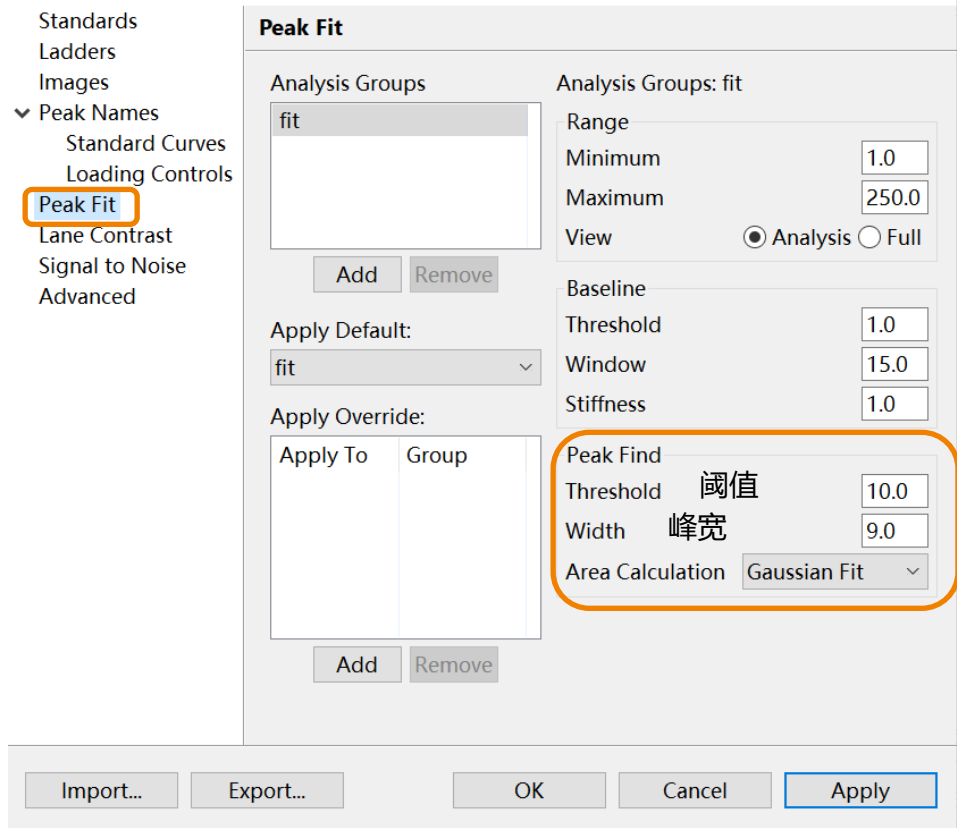
5. 峰面积正常

- 灰色部分的面积即峰面积。
- 需确认拟合峰跟实际峰形拟合良好
- 右键单击可通过 “add peak” 或 “remove peak” 增加或去除峰
- 在 analysis 菜单中，可选择拟合方式, 包括 gaussian fit (高斯拟合) vs dropped lines (垂直拟合, 推荐总蛋白定量时使用)



5. 峰面积正常

- 灰色部分的面积即峰面积。
- 需确认拟合峰跟实际峰形拟合良好
- 右键单击可通过 “add peak” 或 “remove peak” 增加或去除峰
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数据分析前检查

- 确认完成了以下检查
 - ✓ 荧光内参整齐并识别良好
 - ✓ Ladder 识别良好
 - ✓ 化学发光信号无过曝
 - ✓ 荧光通道相机无饱和 (Jess)
 - ✓ 背景无过高
 - ✓ 峰面积正常

数据分析前检查

- 确认完成了以下检查
 - ✓ 荧光内参整齐并识别良好
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 - ✓ 背景无过高
 - ✓ 峰面积正常

 可以开始分析数据了

01

Compass 介绍

02

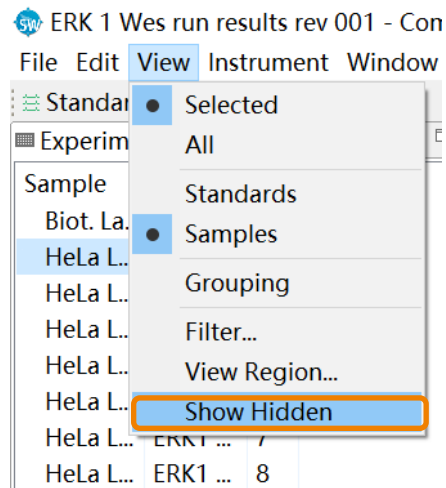
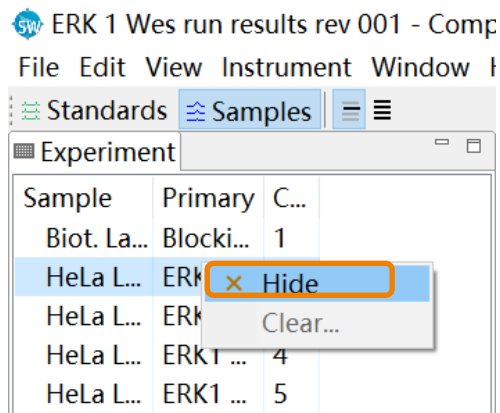
数据分析前检查

03

数据分析

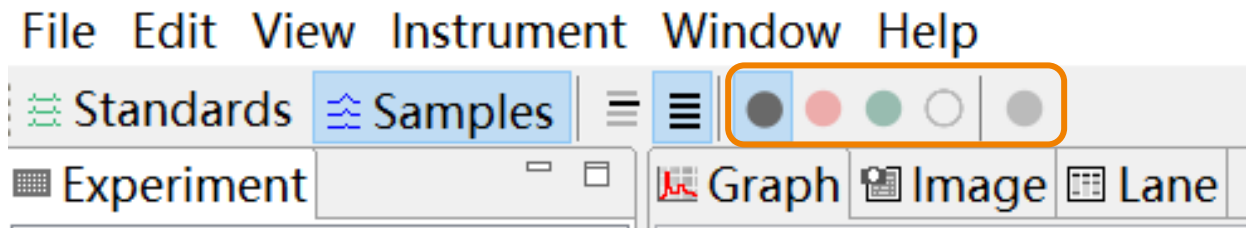
编辑实验信息

- 样品及抗体信息等 在 Assay 界面输入
 - Assay template 里输入的信息可以随时更改（运行前/后）
- 右键点击可隐藏泳道
- 如果要显示隐藏的泳道，点击：
 - View* → *Show Hidden*
 - 右键点击 unhide 恢复



选择检测通道

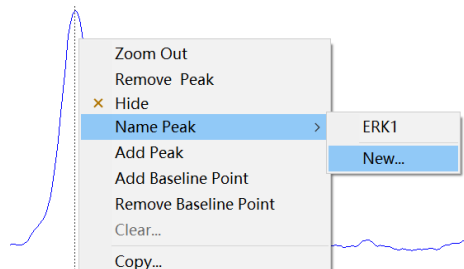
- 毛细管/泳道可选择性浏览或者全局浏览
- 检测通道可进行开/关
- 选择不同的通道，将有不只一个Y轴



峰命名

当您查看数据时，标记您的峰值很有帮助

- 选项 1: 右键点击峰形图中的峰，选择 Name Peak → New... 进行命名

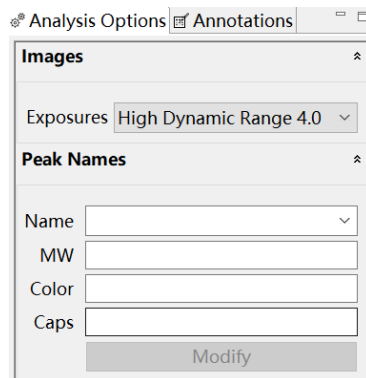


- 选项 3: 右键点击峰统计表中的峰，选择 Name Peak → New... 进行命名

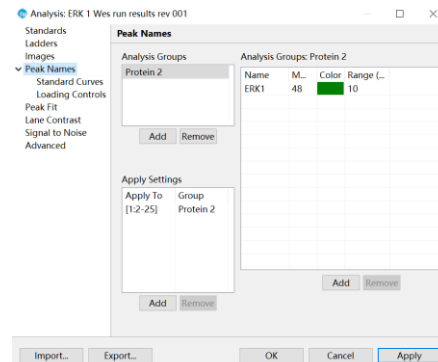
A screenshot of a peak statistics table. The table has columns: MW, Height, Area, % Area, Width, and S/N. The first row is highlighted in green. A context menu is open over the table, showing options: 'Remove Peak', 'Hide', 'Name Peak', and 'Copy'. The 'Name Peak' option is highlighted, and a sub-menu is visible with 'ERK1' and 'New...' options.

MW ...	Heig...	Area	% Ar...	Width	S/N
47	5298...	7962...	100.0	14.1	35...
222	1820	0.214		18.1	34...

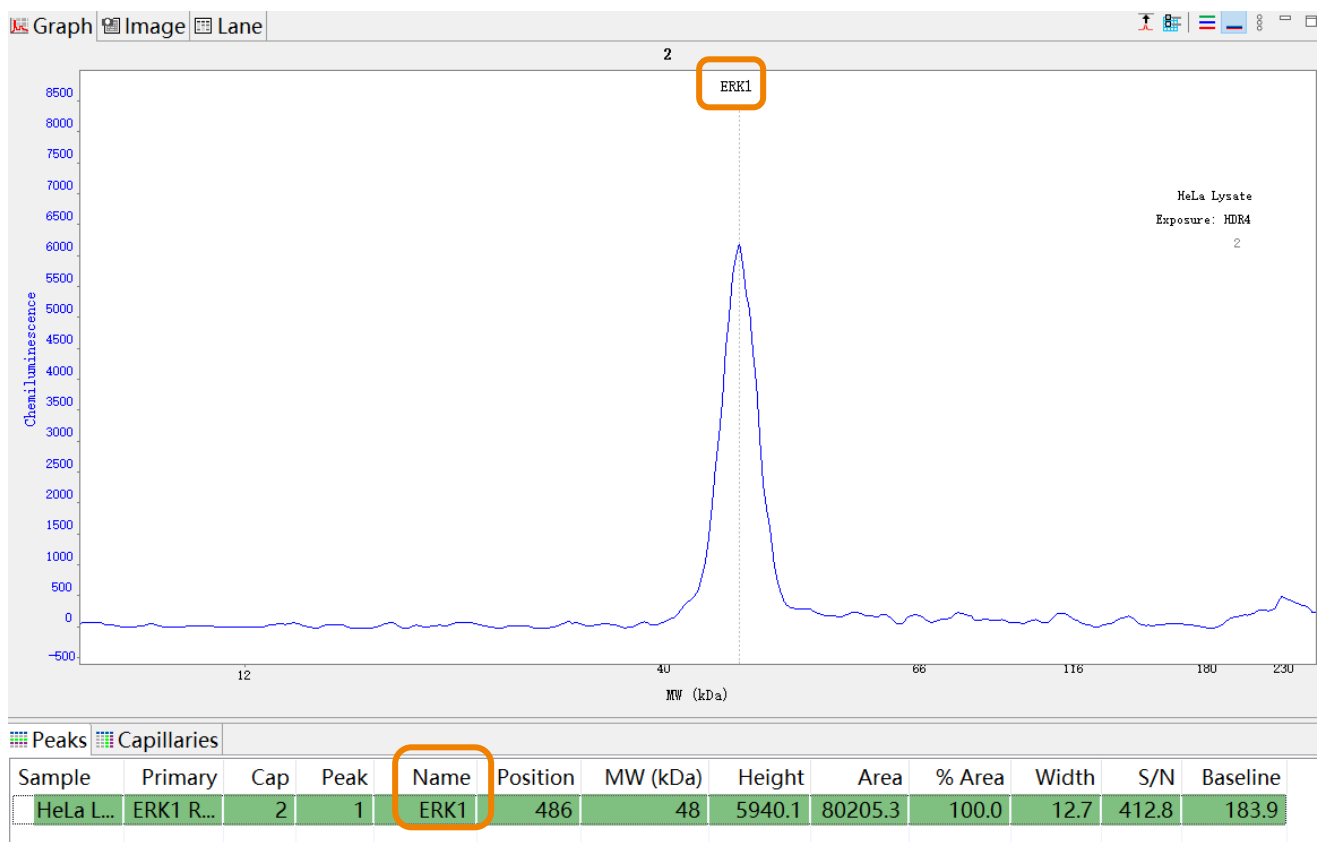
- 选项 2: Analysis Options 窗格里
 - 在 Name 中: 下拉选中 [New]
 - 输入峰名称等
 - 单击 Create



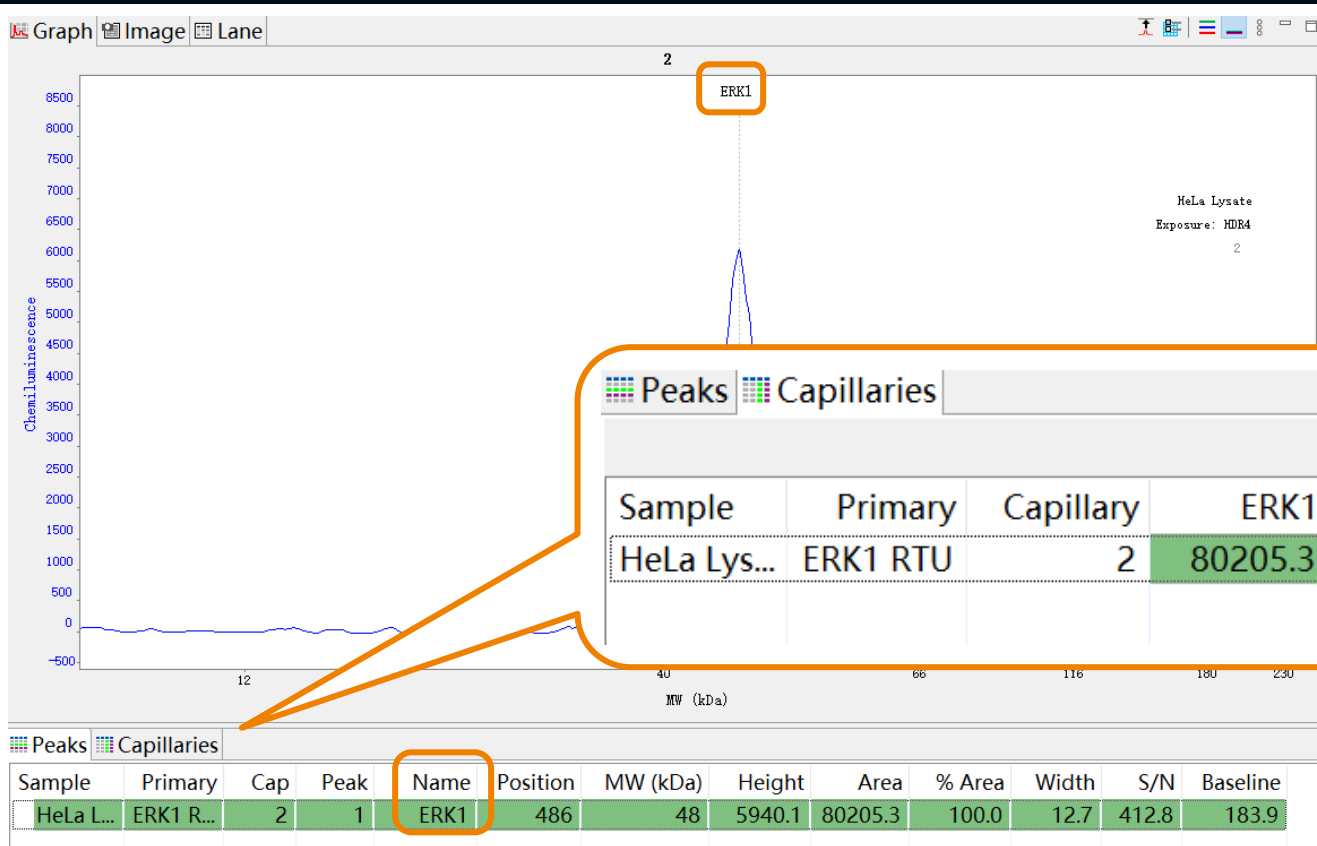
- 选项 4: 在 Edit>Analysis 菜单单栏中
 - 在 Peak Names 栏中进行峰命名



峰命名



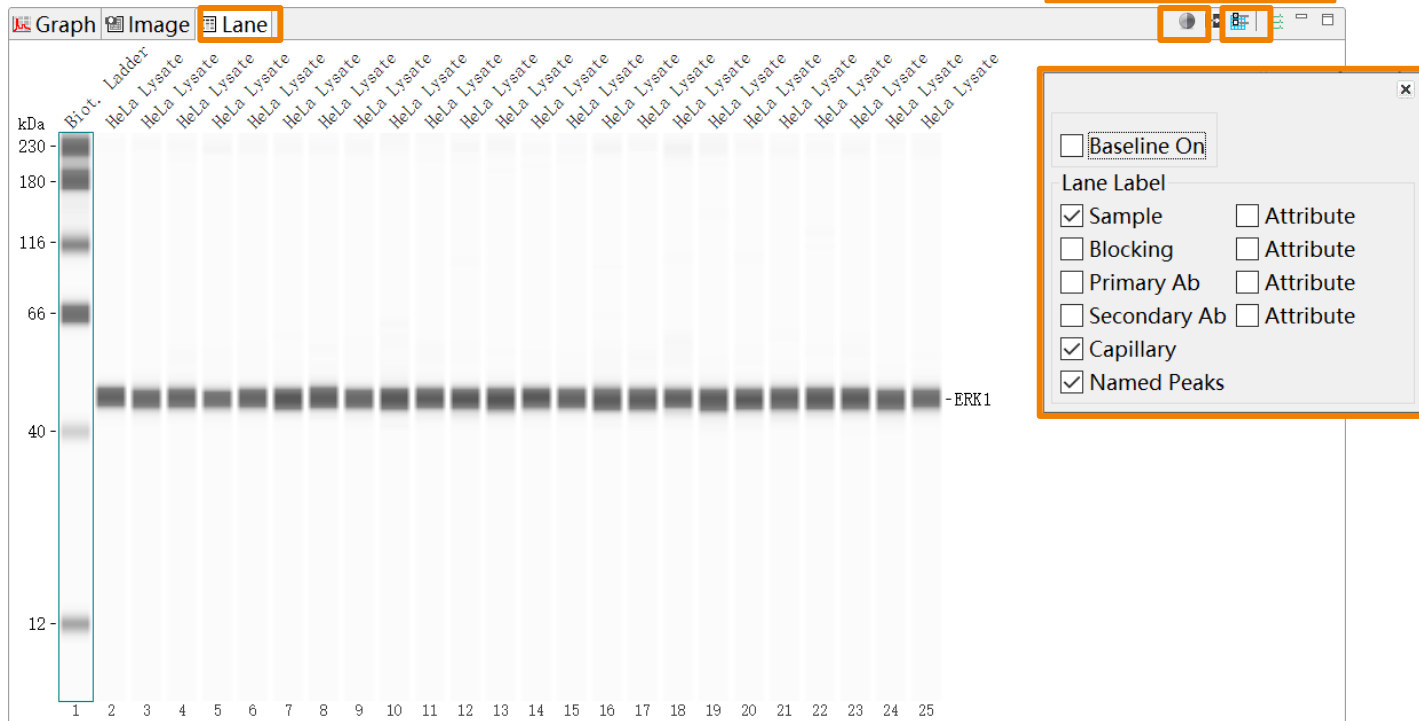
峰命名



ANALYSIS 界面

泳道图

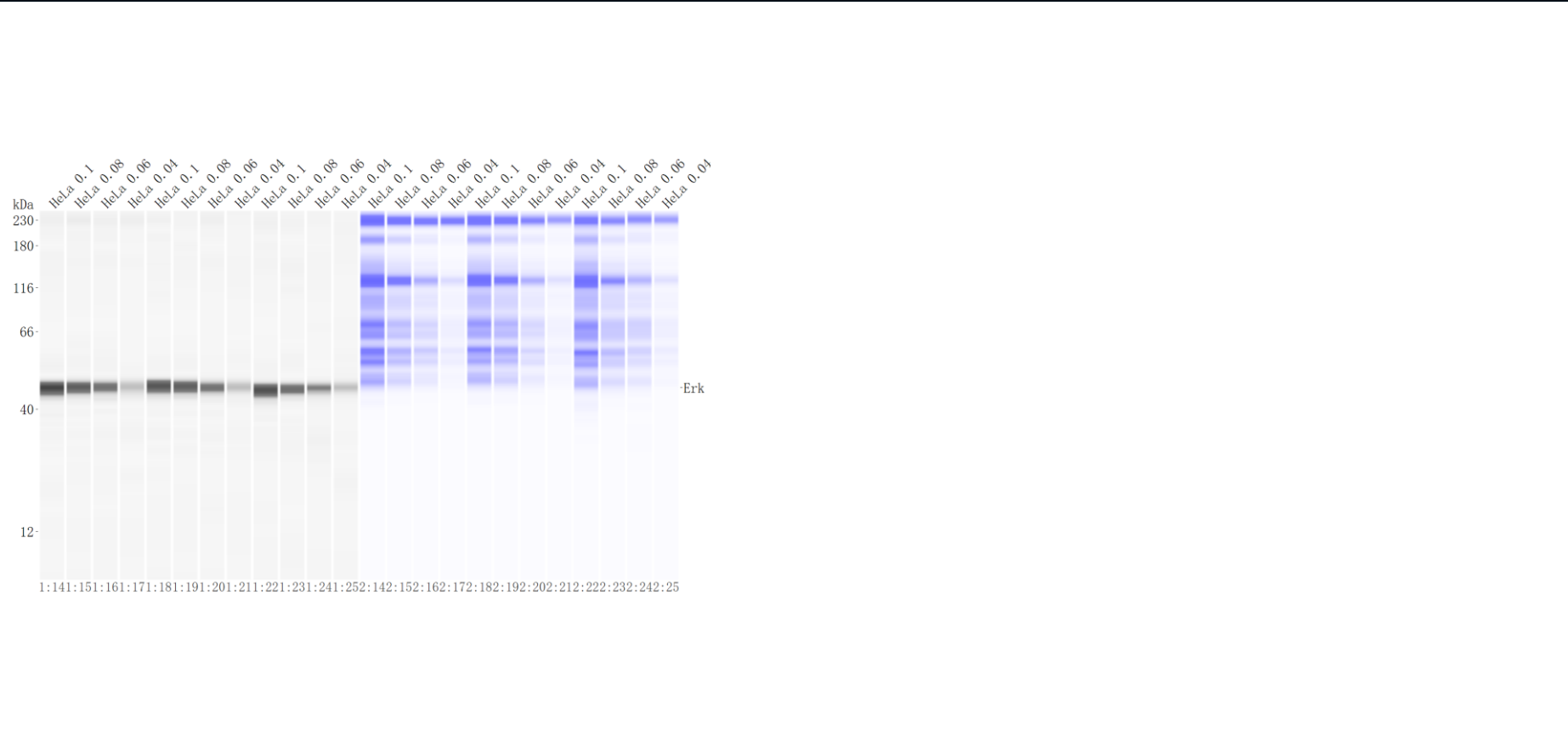
- 大部分报告的结果形式
- 可以任意显示或横向移动泳道
- 可以单独调整每个通道的对比度
 - 对比度调整仅改变图片中条带呈现效果, 峰定量结果不变



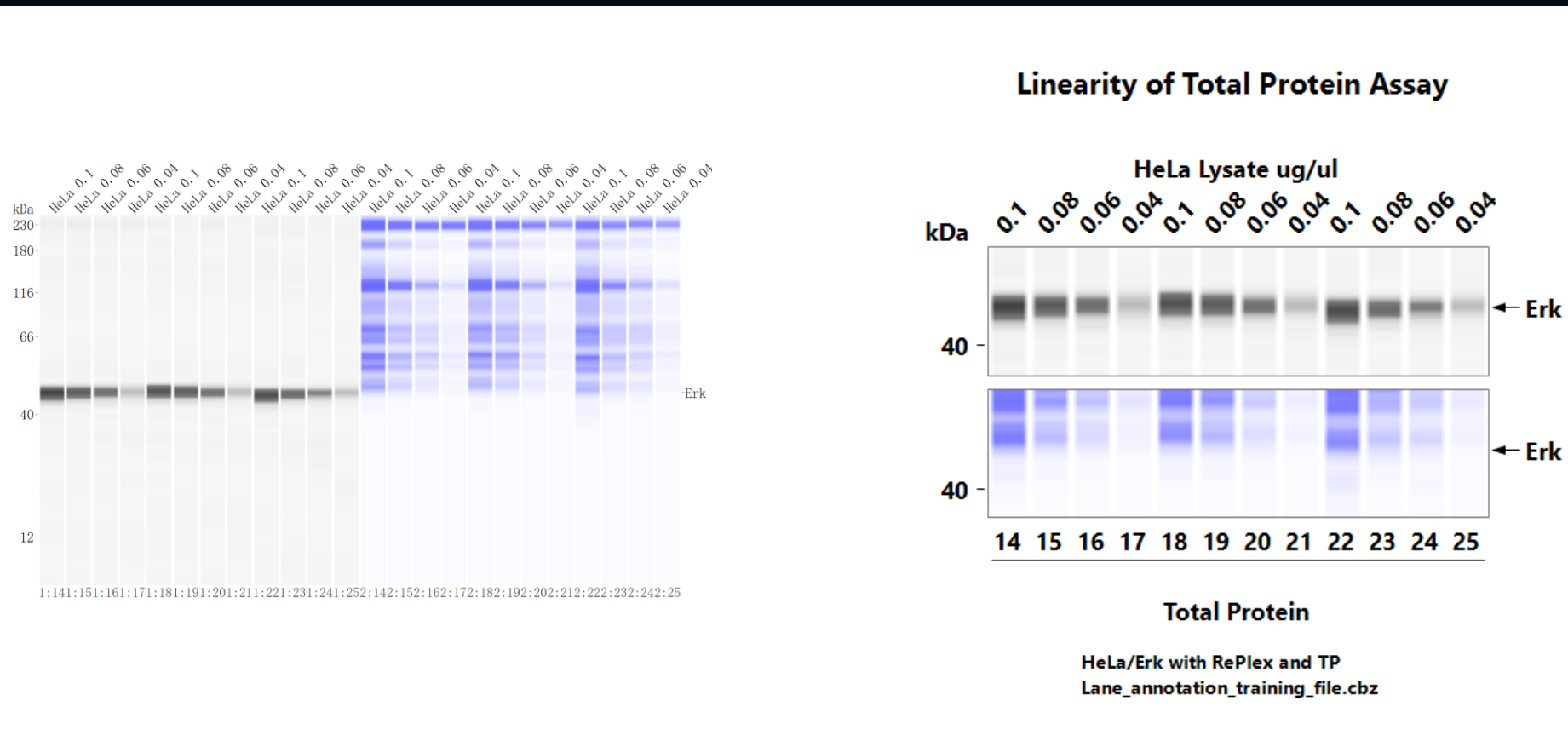
导出数据

- 图像拷贝
 - 在峰形图或者泳道图中，右键点击Copy复制或保存图像
- 选中峰统计表中的行（一行或多行），右键点击 Copy 复制数据
- 点击 File→export tables
 - 软件将建立一个文件夹导出各类统计数据
- 点击 File→run report
 - 软件将建立一个 PDF 文档，详细报告图和表

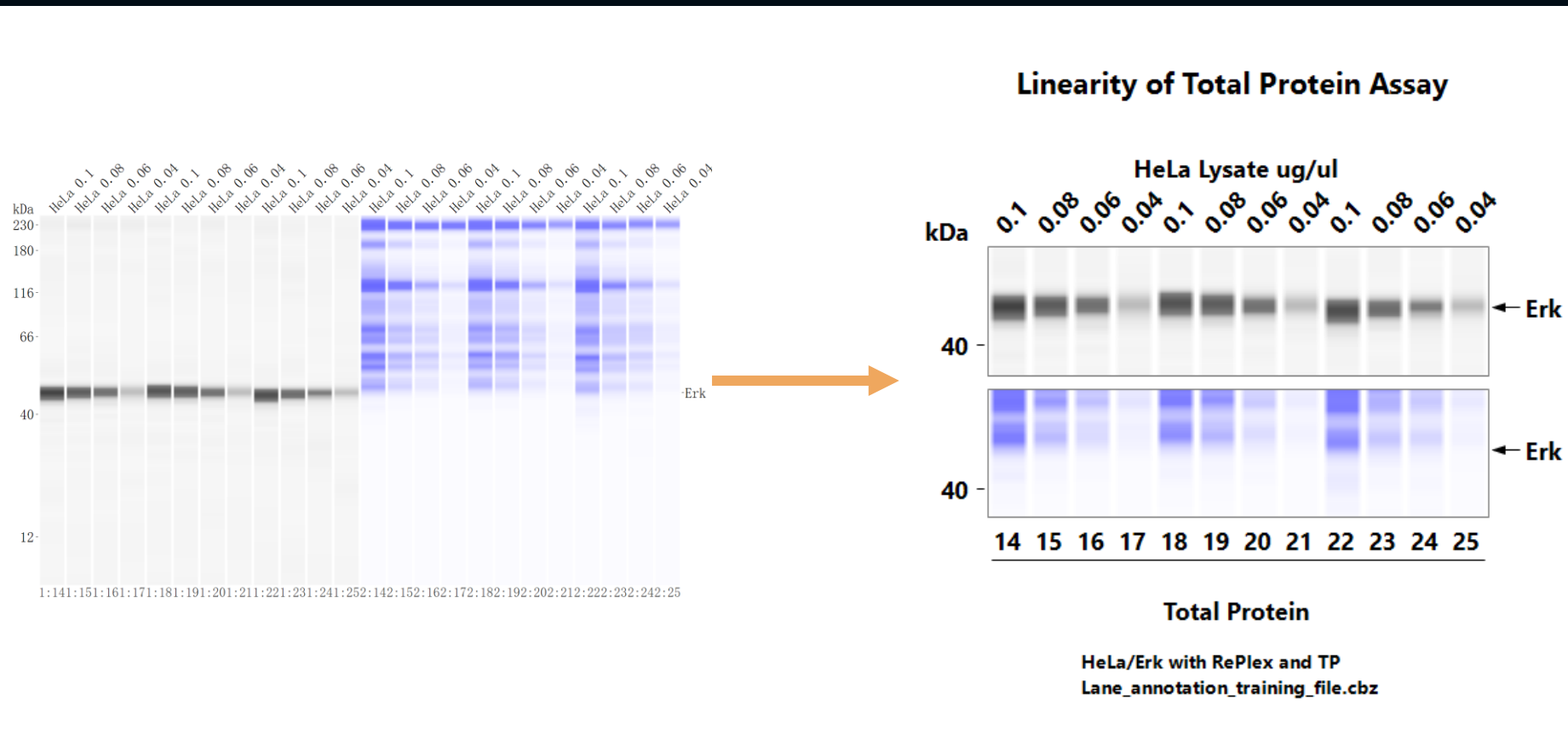
能否直接注释结果？



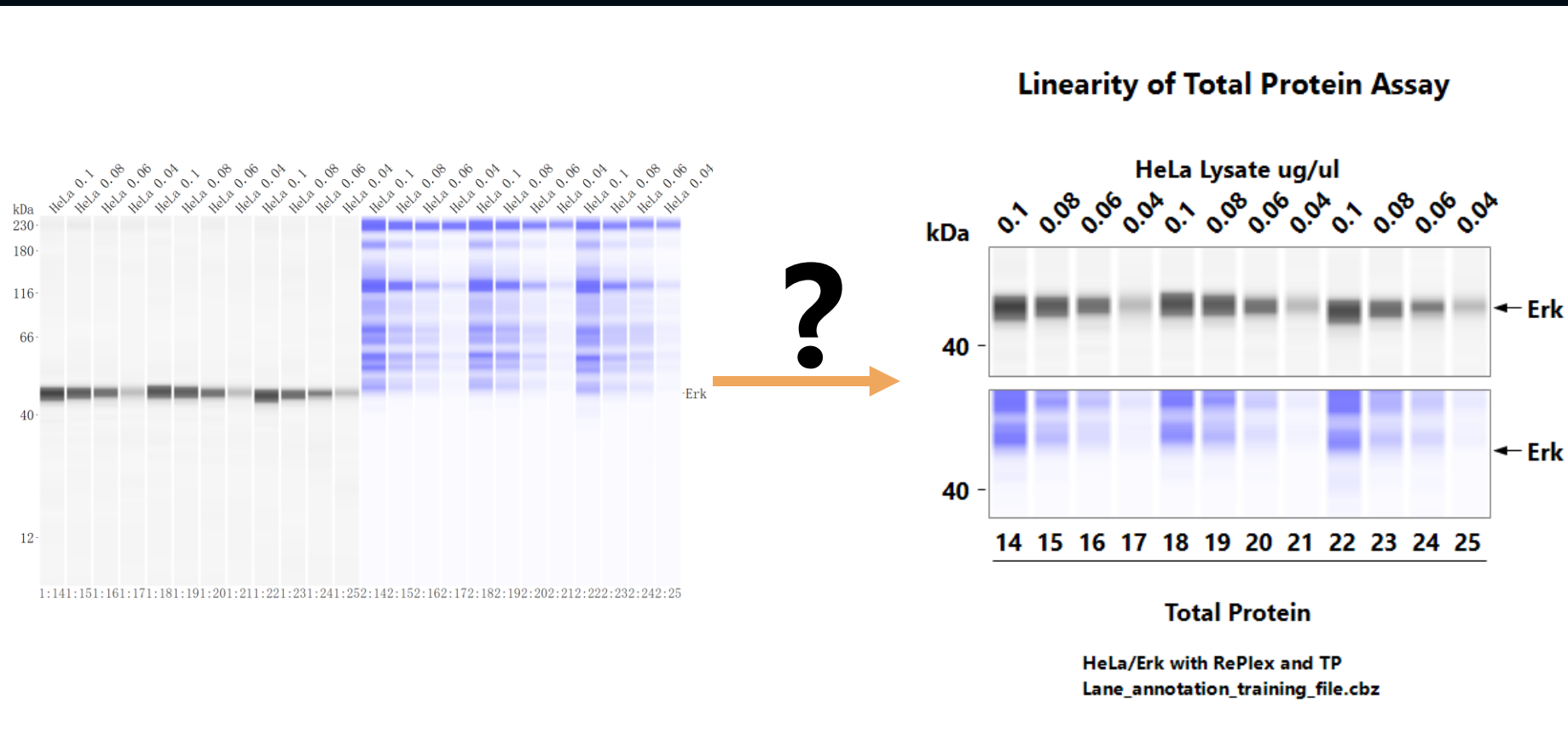
能否直接注释结果？



能否直接注释结果？



能否直接注释结果？



公众号报修流程



PROTEINSIMPLE SIMPLE YOUR PROTEIN ANALYSIS



4000-863-973



FluorChem
• Simple Imaging



Ella
• Simple ELISA



MFI
• Simple Particle Analysis



Jess/Wes/Abby
• Simple Western



Milo
• Simple Sc-Western



Maurice
• Simple icIEF + CE-SDS