

Project: Cristina plkB

Project Description

Not specified

Researcher's Name

Not specified

Date

Jan 20, 2025, 3:03:12 PM CST

Principal Investigator Name

Not specified

Lab Mailing Address

Not specified

Analysis Software

Empiria Studio® Software v3.2.0.186

Data Location

Not specified

Experiment: ACH2 TNFa 24hr

Description

ACH2 cells were pretreated with DMSO, 100, or 200 nM of MLN for 6 hours. TNFa was then added and cells were collected 24 hours after TNFa treatment

Experiment Type

Analysis: HKP + Targets

Date Created

Jan 20, 2025, 3:03:43 PM CST

Date Edited

Jan 20, 2025, 3:13:31 PM CST

Image Information

Image Name: 0000907_01

Acquire Date/Time

Jan 13, 2025, 12:59:27 PM CST

Channels

700, 800

Resolution

169 µm

Comment

EXP250112 TNFa 24 hr

User

Not specified

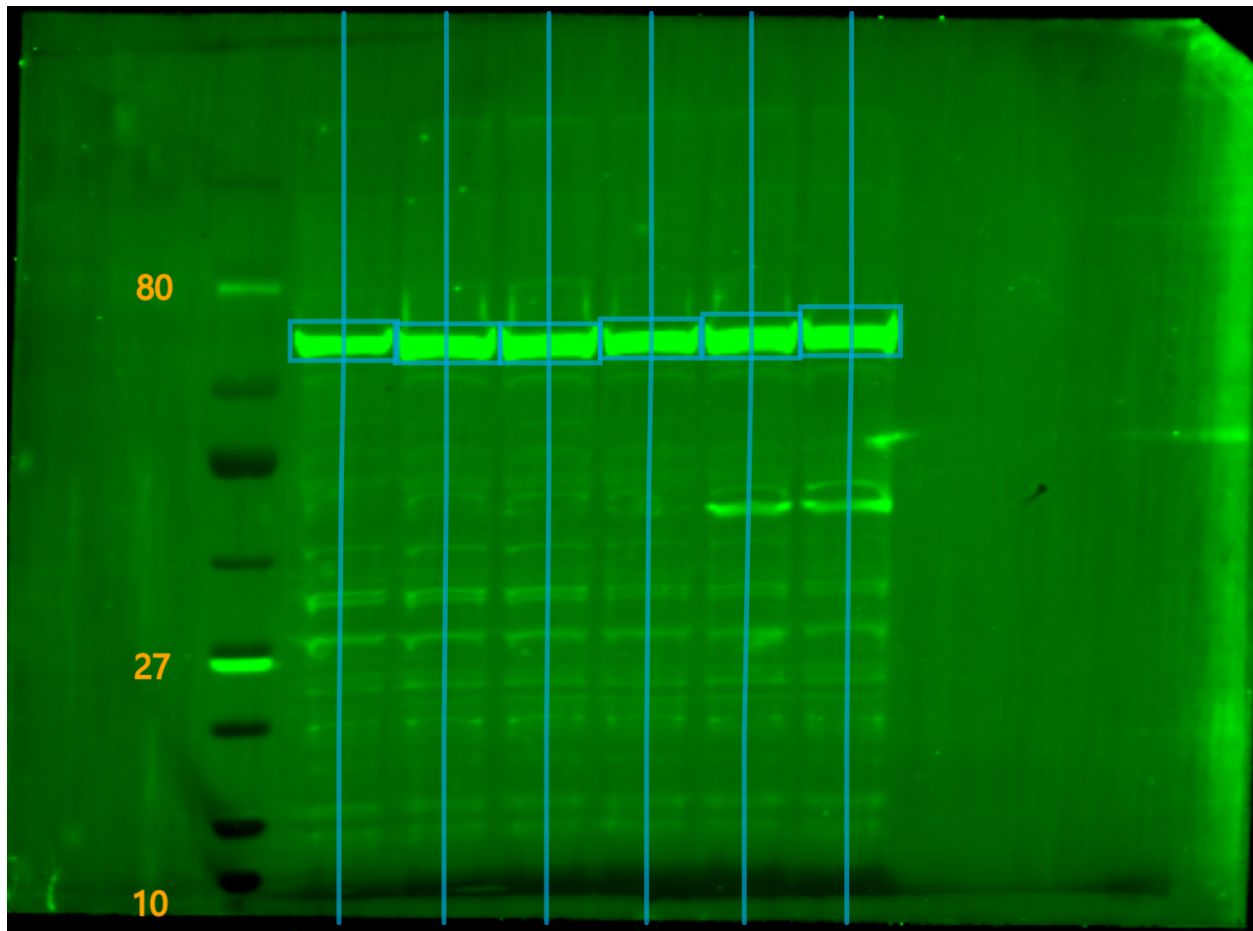
Experimental Analysis

800 Channel

Image Name: 0000907_01

Lane Detection: Automatic Lane Finding

Protein: Lamin B



Internal Loading Control Analysis Table

Lane	Name	MW	Signal	SNR	Replicate	Avg. Signal	Avg. SNR	Std. Dev.	% CV	✓	Treatment (nM)	Type
02	DMSO/water	68.6	3,270	49.6	02					0		Sample
03	MLN 100/w...	68.6	5,300	65.5	03					0		Sample
04	MLN 200/w...	68.6	5,350	73.2	04					0		Sample
05	DMSO/TNFα	69.6	3,800	65.7	05					0		Sample
06	MLN 100/T...	70.1	5,150	68.7	06					0		Sample
07	MLN 200/T...	70.5	5,050	54.0	07					0		Sample

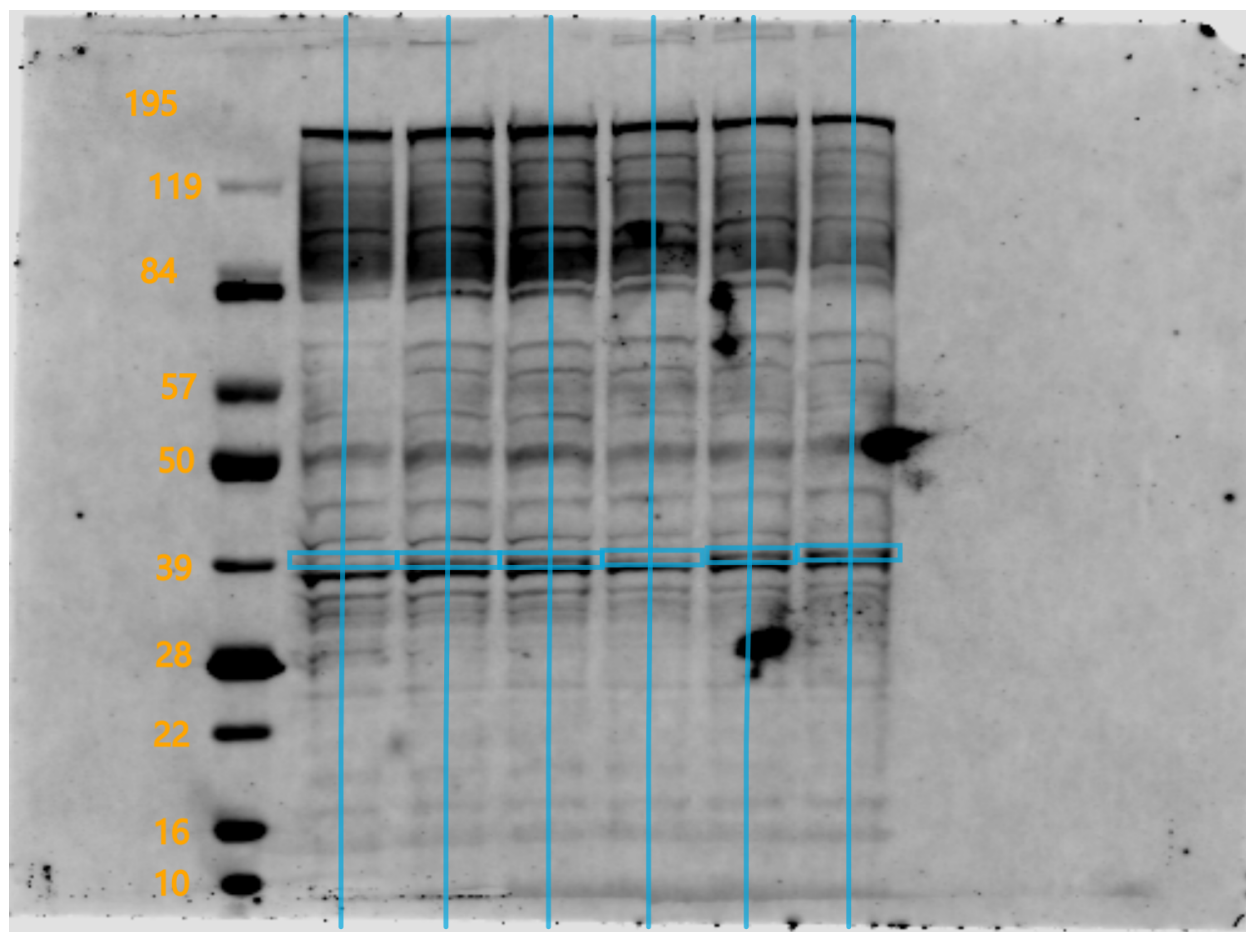
MW values are calculated using marker set iBright 800 on the 800 Channel.

700 Channel

Image Name: 0000907_01

Lane Detection: Automatic Lane Finding

Protein: p-IkBa



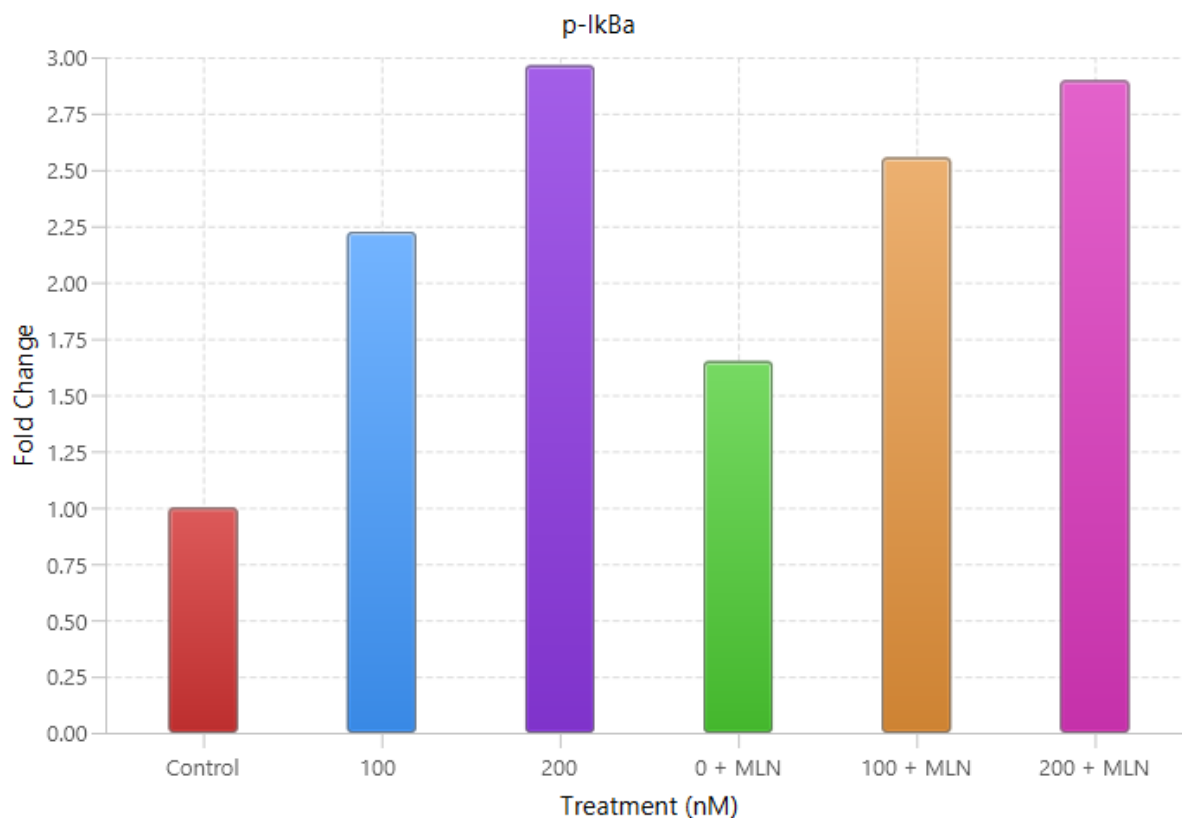
Protein Analysis Table

Lane	Name	MW	Signal	Total	Normalized Signal	SNR	Replicate	Avg. Norm. Signal	Avg. SNR	Std. Dev.	^ % CV	Treatment (nM)	Type
02	DMSO/water	39	107	2,040	175	0.415	02					0	Sample
03	MLN 100/w...	39	386	2,220	390	1.44	03					0	Sample
04	MLN 200/w...	39	520	2,340	520	2.00	04					0	Sample
05	DMSO/TNFa	39.3	205	1,910	289	1.06	05					0	Sample
06	MLN 100/T...	39.6	431	2,070	448	2.10	06					0	Sample
07	MLN 200/T...	39.8	479	2,390	508	1.97	07					0	Sample

MW values are calculated using marker set iBright 700 on the 700 Channel.

700 Channel (continued)

Fold Change Chart



Error bars indicate the standard deviation for each replicate group.

Fold Change Table

Lane	Treatment (X-Axis)	Treatment (nM)	Fold Change
02	Control	0.00	1.00
03	100	0.00	2.22
04	200	0.00	2.96
05	0 + MLN	0.00	1.65
06	100 + MLN	0.00	2.55
07	200 + MLN	0.00	2.90

MW Marker Tables

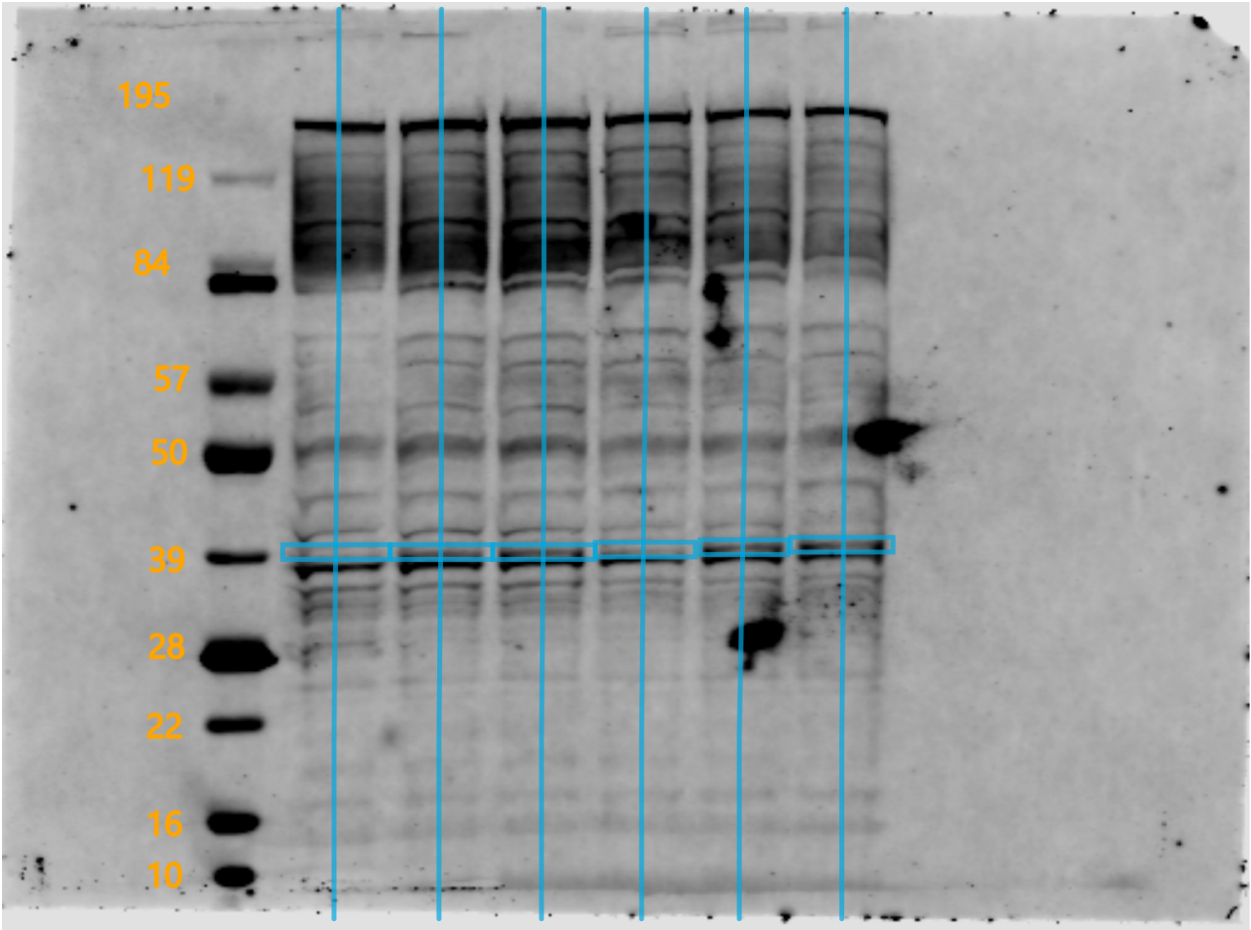
MW Marker Set iBright 800 on the 800 Channel

Channel	Lane	Name	Band Name	MW
800	01	Lane01	B01	80
800	01	Lane01	B02	27
800	01	Lane01	B03	10

MW Marker Set iBright 700 on the 700 Channel

Channel	Lane	Name	Band Name	MW
700	01	Lane01	B01	195
700	01	Lane01	B02	119
700	01	Lane01	B03	84
700	01	Lane01	B04	57
700	01	Lane01	B05	50
700	01	Lane01	B06	39
700	01	Lane01	B07	28
700	01	Lane01	B08	22
700	01	Lane01	B09	16
700	01	Lane01	B10	10

Summary



Experimental Observations

Not specified

Next Steps

Not specified

Summary

Not specified

Signatures

Researcher		
<hr/>	<hr/>	<hr/>
Signature	Printed Name	Date

Witness		
<hr/>	<hr/>	<hr/>
Signature	Printed Name	Date