

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: EXP250130 - TNFa set a

**Description**

Not specified

**Experiment Type**

Analysis: HKP + Targets

**Date Created**

Feb 7, 2025, 2:44:34 PM CST

**Date Edited**

Feb 7, 2025, 2:52:44 PM CST

**Image Information**

Image Name: 0000921\_01

**Acquire Date/Time**

Feb 7, 2025, 11:59:24 AM CST

**Channels**

700, 800

**Resolution**

169 µm

**Comment**

exp250130 tnfa set a

**User**

Not specified

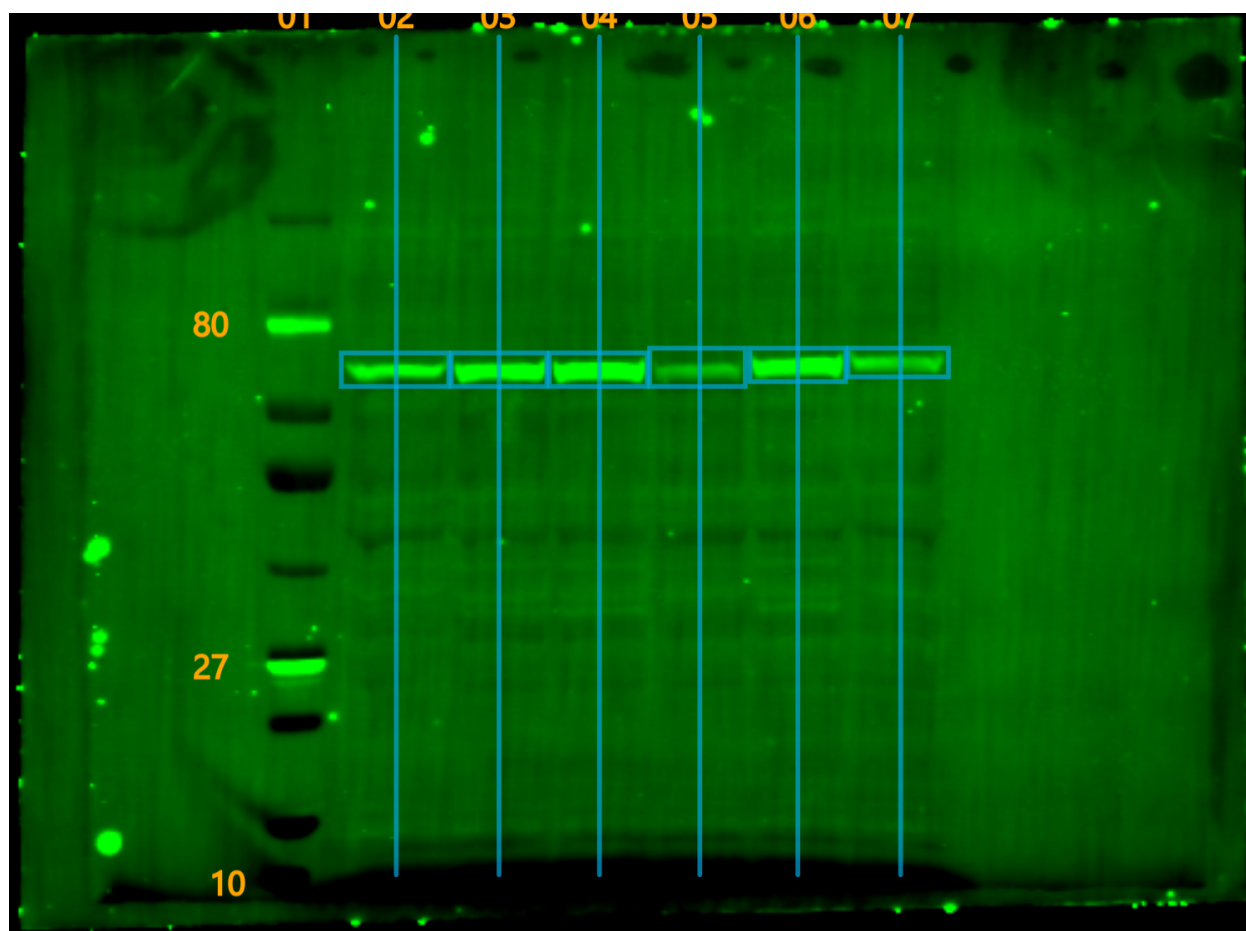
## Experimental Analysis

800 Channel

Image Name: 0000921\_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 (%)	Type
02	water/DMSO	73.3	545	6.76	02					1	Sample
03	water/MLN ...	73	990	16.3	03					2	Sample
04	water/MLN ...	73.3	1,240	23.8	04					3	Sample
05	TNFa/DMSO	73.3	248	5.23	05					1	Sample
06	TNFa/MLN ...	74.1	1,000	19.9	06					2	Sample
07	TNFa/MLN ...	74.4	373	6.13	07					3	Sample

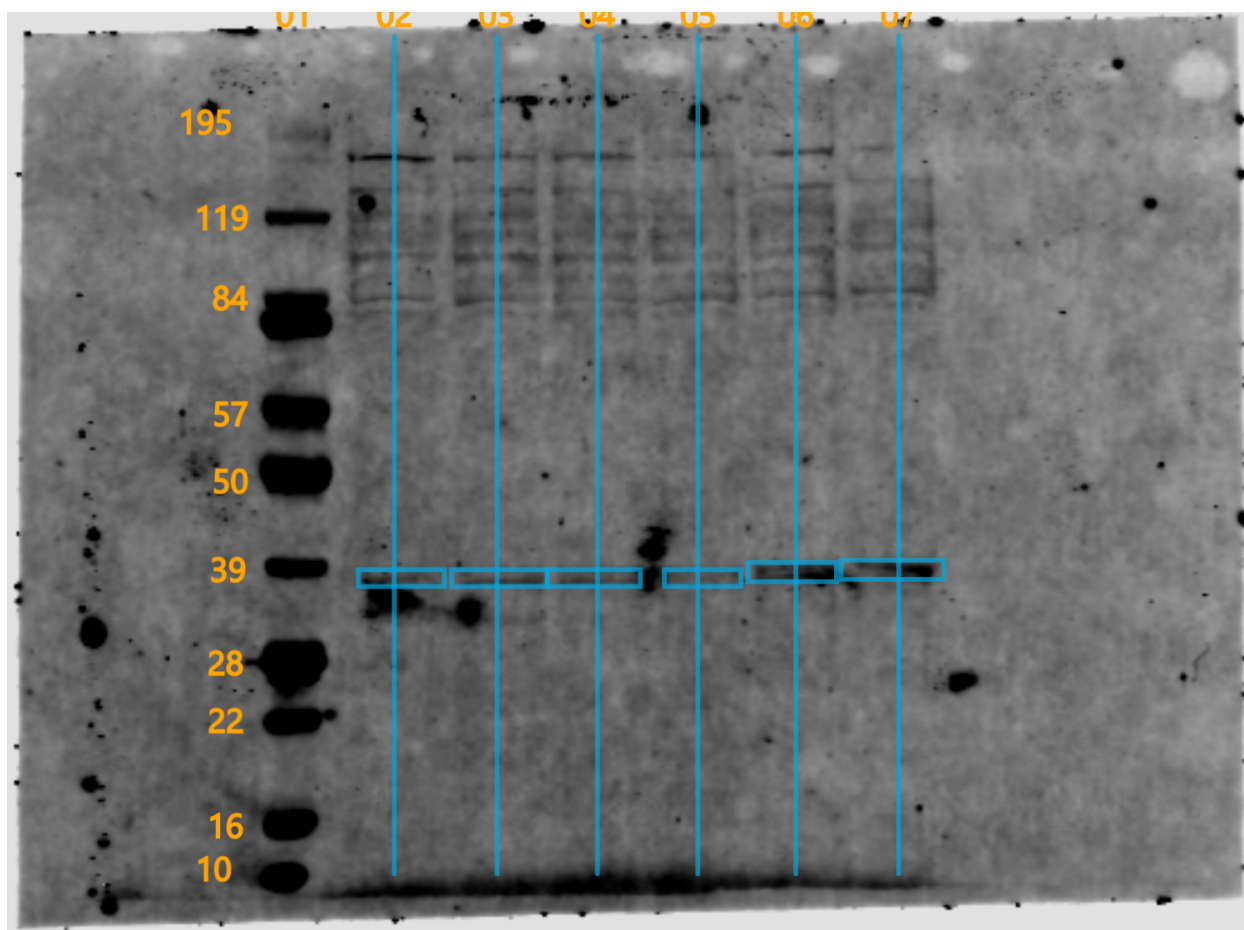
MW values are calculated using marker set iBright 800 on the 800 Channel.

700 Channel

Image Name: 0000921\_01

Lane Detection: Automatic Lane Finding

Protein: p-IkBα



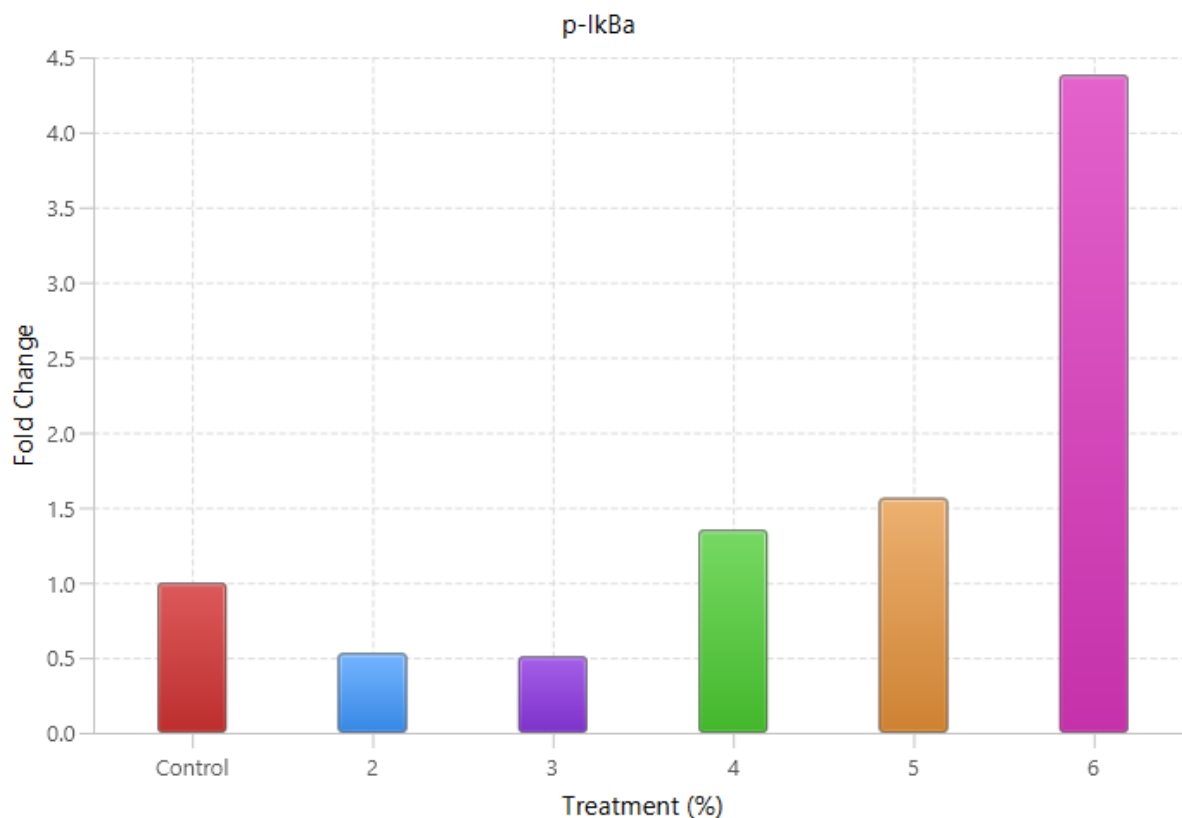
Protein Analysis Table

Lane	Name	MW	Signal	Total	Normalized Signal	SNR	Replicate	Avg. Norm. Signal	Avg. SNR	Std. Dev.	^ % CV	Treatment (%)	Type
02	water/DMSO	37	118	1,690	269	3.21	02					1	Sample
03	water/MLN ...	37.8	114	1,830	143	2.06	03					2	Sample
04	water/MLN ...	37.8	137	1,790	137	2.39	04					3	Sample
05	TNFα/DMSO	38.1	72.8	1,450	364	1.97	05					1	Sample
06	TNFα/MLN ...	38.4	340	2,110	421	5.13	06					2	Sample
07	TNFα/MLN ...	39.3	354	2,400	1,180	7.14	07					3	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 (%)	Fold Change
02	Control	1.00	1.00
03	2	2.00	0.531
04	3	3.00	0.509
05	4	1.00	1.35
06	5	2.00	1.56
07	6	3.00	4.38

## MW Marker Tables

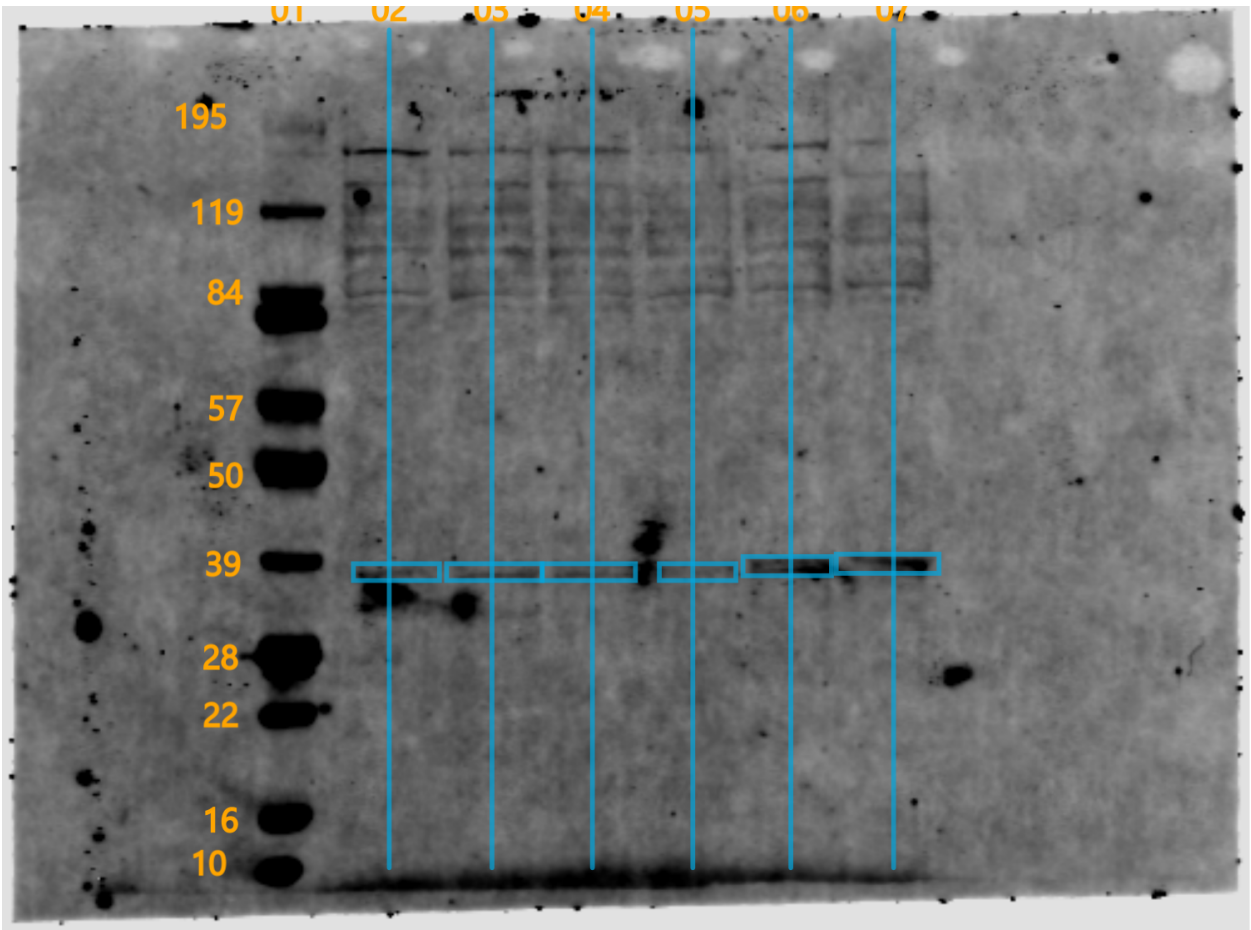
### MW Marker Set iBright 800 on the 800 Channel

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

MW Marker Set iBright 700 on the 700 Channel

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