H3K36me3_Cell Signaling_4909_5_DB _PchAb 1419

Test Date: 2-27-2020
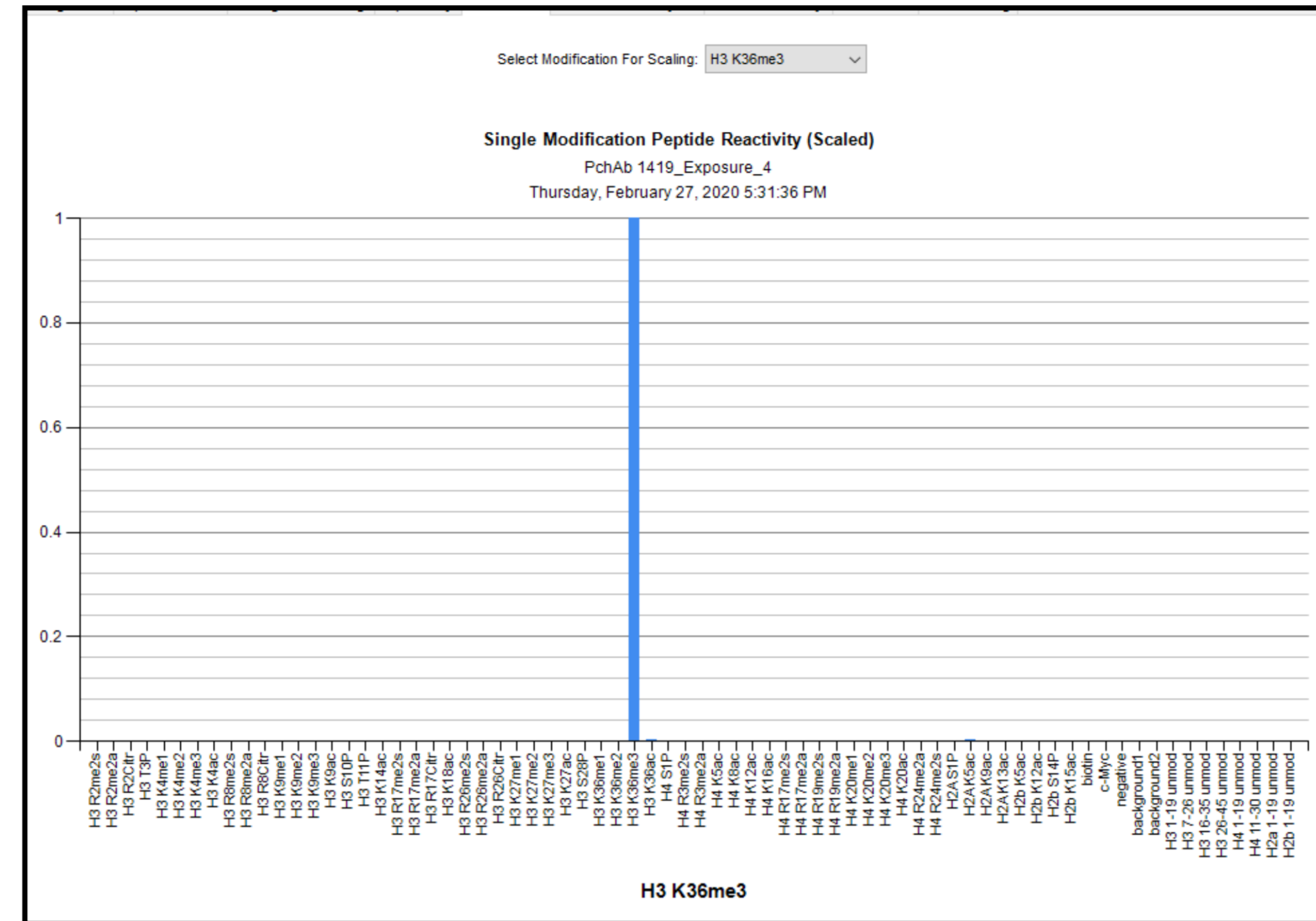**User:** RI

Primary antibody:
Antibody: H3K36me3
Vendor: Cell Signaling
Part number: 4909
Lot number: 5
Dilution 1:10000
Incubation: O/N at 4C

Secondary antibody:
Vendor: Abcam
Part number: ab6721
Lot number: GR119224-3
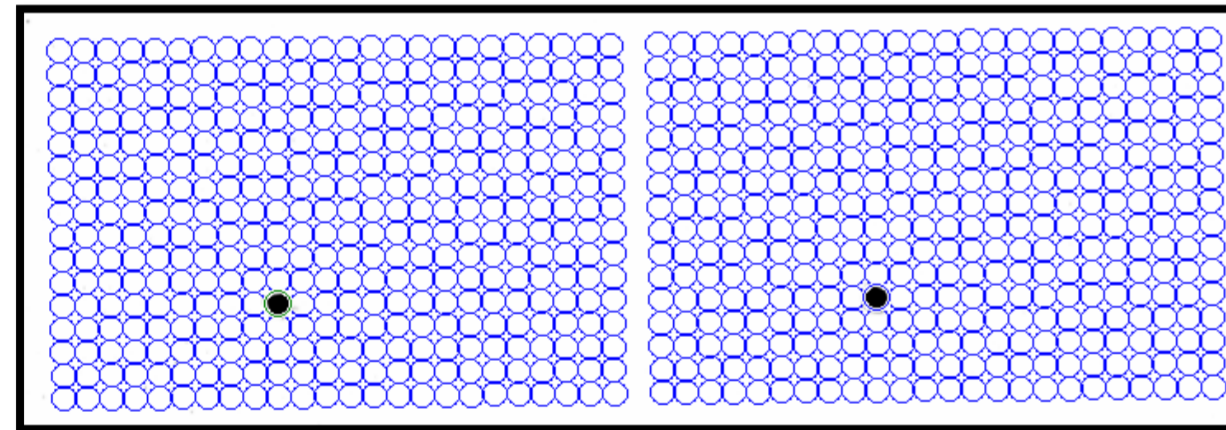**Dilution:** 1:2500
Incubation: 1 hr@ RT

Protocol:
• immerse array in 4 mL of blocking solution containing
(TBST containing 5% non-fat dried milk)
• incubate on a rotator for 4 hours at room temperature
• carefully pour off buffer
• perform a quick rinse (30 seconds) with TBST buffer
• wash 3 x 5 minutes in TBST
• dilute primary antibody in 4 mL of Blocking solution (TBST and 5% BSA)
• incubate on a rotator overnight at 4°C
• carefully pour off buffer
• perform a quick rinse (30 seconds) with TBST buffer
• wash 3 x 5 minutes in TBST
• dilute secondary antibody in 4 mL of Blocking solution
• incubate on a rotator for 1 hour at room temperature
• carefully pour off buffer
• perform a quick rinse (30 seconds) with TBST buffer
• wash 3 x 5 minutes in TBST
• detect using Chemi-Doc XR

Reactivity of test antibody with control peptides and singly modified peptides
Graph is scaled so that the intended primary reactivity is set to 1

Select Modification For Scaling: H3 K36me3

Single Modification Peptide Reactivity (Scaled)
PchAb 1419_Exposure_4
Thursday, February 27, 2020 5:31:36 PM

H3 K36me3

Gridded image of the array

Cross inhibition of reactivity by other modifications of the same peptide
Graph is scaled so that saturation of signal = 1

There is no graph for H3K36me3 since there is only one spont on the array that contains this, namely, the singly modified peptide

Annotated Array
PchAb 1419_Exposure_4
Thursday, February 27, 2020 5:31:36 PM

H3 K36me3
H3 R3me2s
H4 K5ac
H3 K36me3, H4 R3me2s
H3 K36me3, H4 K5ac
H4 R3me2s, H4 K5ac
H3 K36me3, H4 R3me2s, H4 K5ac

H3 K36me3
H4 R3me2s
H4 K5ac

Show Assigned Spots
Map Both Sides of Array
Show Most Specific
Reset