

# H3K4me3\_Cell Signaling\_9751\_14\_DB\_PchAb 1421

Test Date: 7-29-2021  
 User: RI

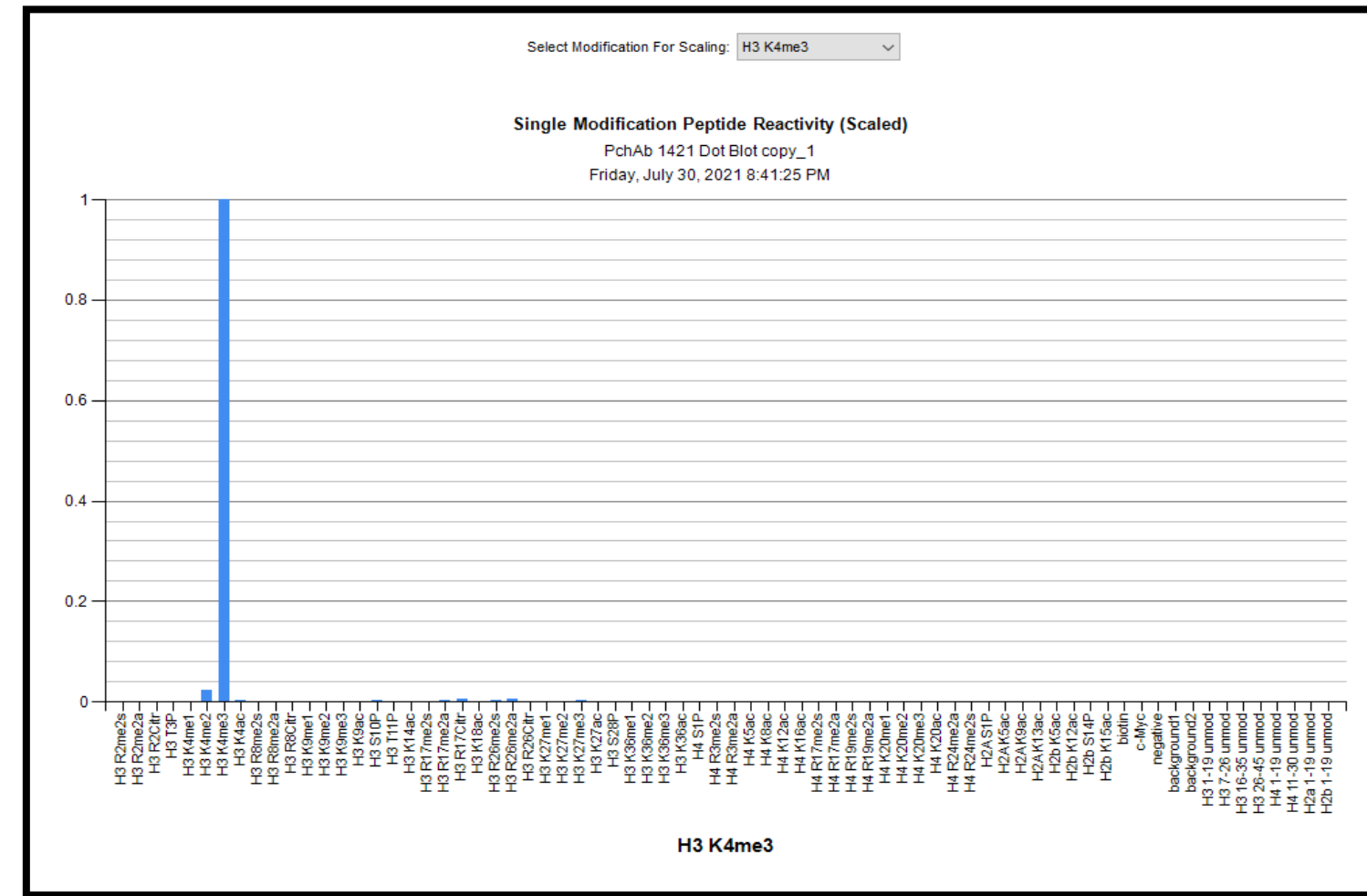
**Primary antibody:**  
 Antibody: H3K4me3  
 Vendor: Cell Signaling  
 Part number: 9751  
 Lot number: 14  
 Dilution: 1:25000  
 Incubation: O/N at 4C

**Secondary antibody:** Goat Anti-Rabbit IgG H&L (HRP)  
 Vendor: Abcam  
 Part number: ab6721  
 Lot number: GR119224-3  
 Dilution: 1:2500  
 Incubation: 1 hr@ RT

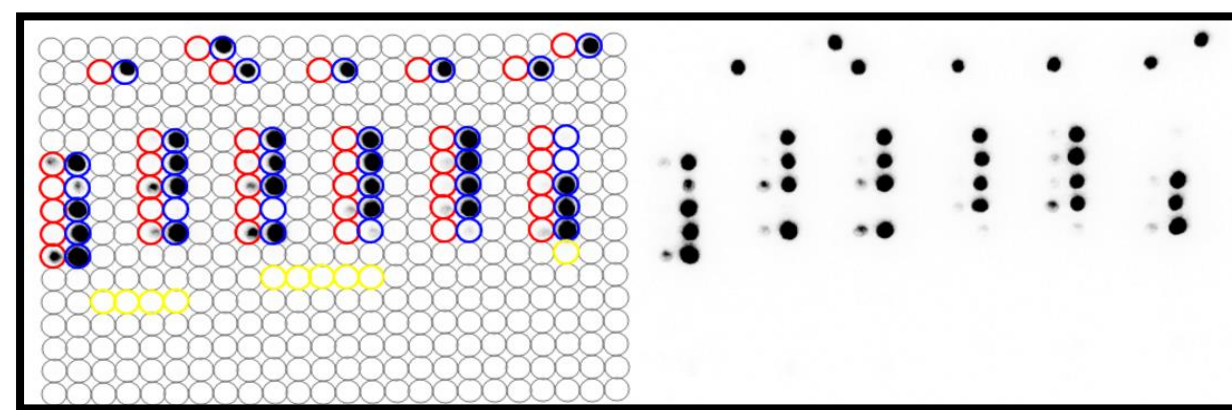
**Protocol:**

- immerse array in 4 mL of blocking solution containing (TBST containing 5% non-fat dried milk)
- incubate on a rotator for 1 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 5 mL of 5% BSA in TBST
- 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 5 mL of 5% NFDM in TBST
- 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 chemiluminescence
- Visualize using the ChemiDoc 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



Gridded image of the array



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

