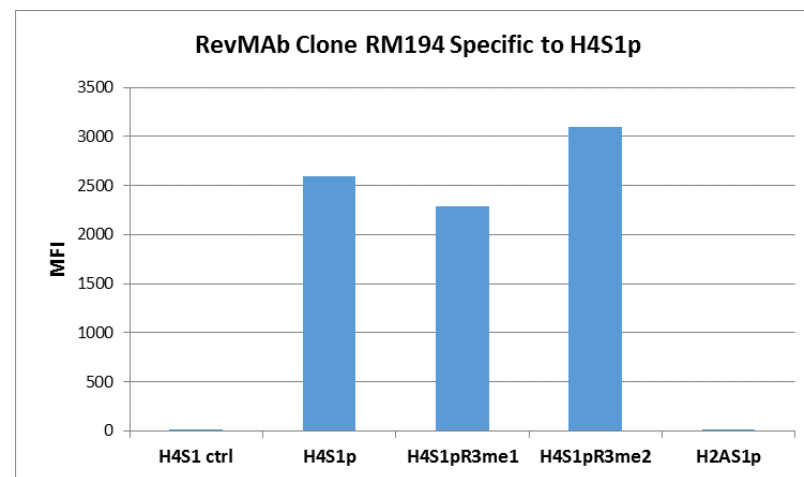
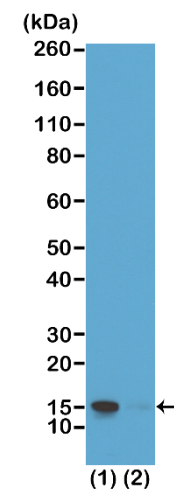


## Certificate of Analysis

<b>Product:</b>	Rabbit Monoclonal Antibody Anti-Phospho-Histone H4 (Ser1) Rabbit Monoclonal Antibody, Clone RM194
<b>Catalog No.:</b>	31-1079-00
<b>Lot No.:</b>	
<b>Clone</b>	RM194
<b>Specificity</b>	This antibody reacts to Histone H4 phosphorylated at Serine 1. The reactivity is not affected by neighboring Arginine 3 modifications. No cross reactivity with Histone H2A phosphorylated at Serine 1.
<b>Application:</b>	Western Blot, ELISA, Multiplex
<b>Immunogen:</b>	A phospho-peptide corresponding to the Phospho-Histone H4 (Ser1).
<b>Purity:</b>	Protein A affinity purified from an animal origin-free culture supernatant
<b>Size:</b>	100 µg
<b>Concentration:</b>	1.0 mg/mL
<b>Buffer:</b>	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
<b>Usage:</b>	WB: 0.5 µg/mL - 2 µg/mL; ELISA: 0.2 µg/mL - 1 µg/mL; Multiplex: 0.1 µg/mL - 1 µg/mL.
<b>Storage and Stability:</b>	Stable for 1 Year at -20.0°C from date of receipt.
<b>Country of Origin:</b>	U.S.A.
<b>Intended Use:</b>	<b>For Research Use Only Not for Diagnostic or Therapeutic Use</b>



RM194 specifically reacts to Histone H4 phosphorylated at Serine 1 (H4S1p). The reactivity is not affected by neighboring Arginine 3 modifications (H4S1pR3me1 and H4S1pR3me2). No cross reactivity with Histone H2A phosphorylated at Serine 1 (H2AS1p).



Western Blot of (1) acid extracts of HeLa cells; (2) recombinant Histone H4. Using RM194 at 0.5 µg/mL, showed a band of Histone H4 phosphorylated at Serine 1 in HeLa cells.