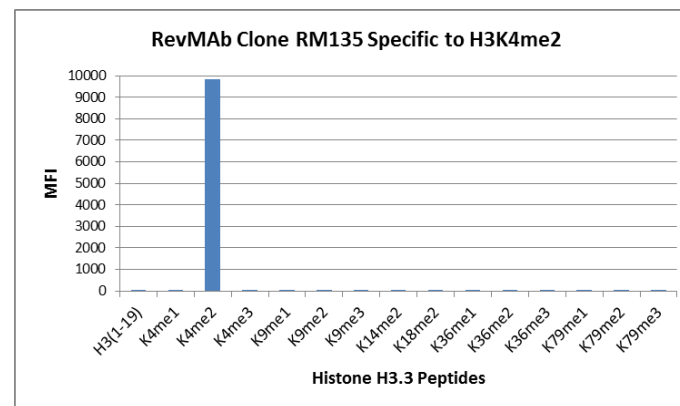
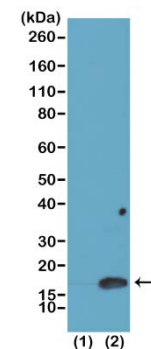


Certificate of Analysis

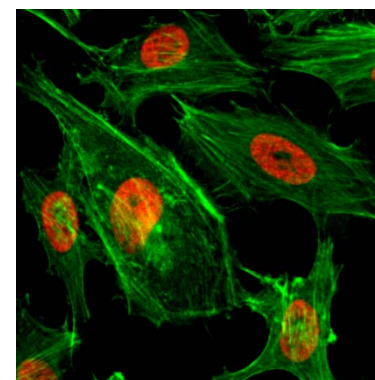
Product:	Rabbit Monoclonal Antibody Anti-Dimethyl-Histone H3 (Lys4) Rabbit Monoclonal Antibody, Clone RM135
Catalog No.:	31-1037-00
Lot No.:	
Clone	RM135
Specificity	This antibody reacts to Histone H3 dimethylated at Lysine 4 (K4me2). No cross reactivity with monomethylated Lysine 4 (K4me1) or trimethylated Lysine 4 (K4me3), or other methylations in histone H3.
Application:	Western Blot, Immunocytochemistry, ELISA, Multiplex
Immunogen:	A dimethyl-peptide corresponding to Dimethyl-Histone H3 (Lys4).
Purity:	Protein A affinity purified from an animal origin-free culture supernatant
Size:	100 µg
Concentration:	1.0 mg/mL
Buffer:	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Usage:	WB: 0.02 µg/mL – 0.2 µg/mL; ELISA: 0.2 µg/mL - 1 µg/mL; ICC: 1 µg/mL - 2 µg/mL; Multiplex: 0.1 µg/mL – 0.5 µg/mL.
Storage and Stability:	Stable for 1 Year at -20.0°C from date of receipt.
Country of Origin:	U.S.A.
Intended Use:	For Research Use Only Not for Diagnostic or Therapeutic Use



RM135 specifically reacts to Histone H3 dimethylated at Lysine 4 (K4me2). No cross reactivity with monomethylated Lysine 4 (K4me1) or trimethylated Lysine 4 (K4me3), or other methylations in histone H3.



Western Blot of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2), using RM135 at 0.025 µg/mL, showed a band of histone H3 dimethylated at Lysine 4 (K4me2) in HeLa cells.



Immunocytochemistry of HeLa cells treated with sodium butyrate, using Dimethyl-Histone H3 (Lys4) Rabbit mAb RM135 (red). Actin filaments have been labeled with fluorescein phalloidin (green).