

RevMAb Biosciences USA, Inc. 830 Dubuque Ave, South San Francisco, CA 94080, USA

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: $0.02 \mu g/mL - 0.2 \mu g/mL$;

> ELISA: 0.2 μg/mL - 1 μg/mL; ICC: 1 μg/mL - 2 μg/mL;

Multiplex: $0.1 \mu g/mL - 0.5 \mu g/mL$.

Storage and

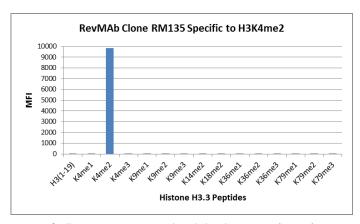
Stable for 1 Year at -20.0°C from date of receipt.

Stability:

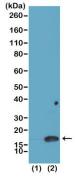
Country of Origin: U.S.A.

Intended Use: For Research Use Only Not for Diagnostic or

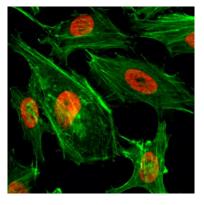
Therapeutic Use



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).