

10-9556: Recombinant Rabbit Monoclonal Antibody to Trimethylated Histone H3 Lysine 79, H3K79me3 (Clone: RM157)(Discontinued)

Clonality :	Monoclonal
Clone Name :	RM157
Application :	WB,ELISA,Multiplex
Reactivity :	All Species
Gene :	H3F3A
Gene ID :	3020
Uniprot ID :	P84243
Format :	Purified
Alternative Name :	Histone H3.3
Isotype :	Rabbit IgG
Immunogen Information :	A trimethyl-peptide corresponding to Trimethyl-Histone H3 (Lys79)

Product Info

Amount :	100 µg
Purification :	Protein A affinity purified from an animal origin-free culture supernatant
Content :	1 mg/ml in 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Storage condition :	Store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Clone RM157 reacts to Histone H3 trimethylated at Lysine 79 (K79me3). No cross reactivity with monomethylated Lysine 79 (K79me1), dimethylated Lysine 79 (K79me2), or other methylations in histone H3. Western Blot: 0.2 µg/ml - 1 µg/ml; ELISA: 0.1 µg/ml - 0.5 µg/ml; Multiplex: 0.1 µg/ml - 0.5 µg/ml.

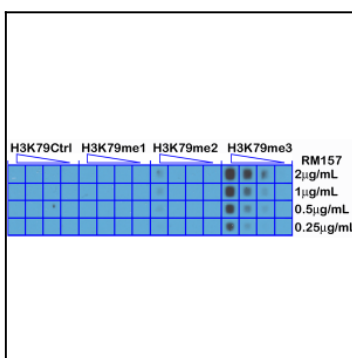


Figure 1: A Peptide dotblot shows Clone: RM157 only reacts to Histone H3 trimethyl-Lysine 79 (K79me3). No cross reactivity with nonmodified Lysine 79 (H3K79Ctrl), monomethylated Lysine 79 (K79me1), or dimethylated Lysine 79 (K79me2).

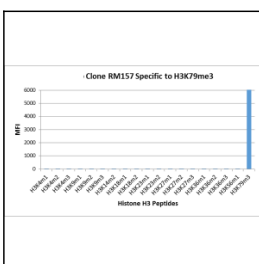


Figure 2: Clone: RM157 specifically reacts to Histone H3 trimethylated at Lysine 79 (K79me3). No cross reactivity with other methylated lysines in Histone H3.

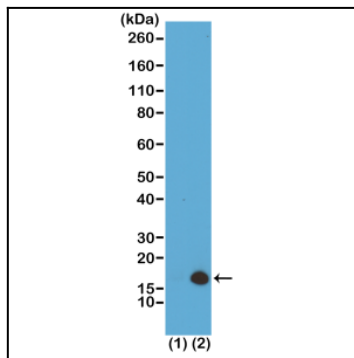


Figure 3: Western Blot of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2), using Clone: RM157 at 0.5 $\mu\text{g/ml}$, showed a band of histone H3 trimethylated at Lysine 79 (K79me3) in HeLa cells.