

10-9563: Recombinant Rabbit Monoclonal Antibody to Monomethylated Histone H4 Arginine 3, H4R3me1 (Clone: RM195)(Discontinued)

Clonality :	Monoclonal
Clone Name :	RM195
Application :	WB,ELISA,Multiplex,ICC
Reactivity :	All Species
Gene :	HIST1H4A
Gene ID :	121504
Uniprot ID :	P62805
Format :	Purified
Alternative Name :	H4/A, H4FA
Isotype :	Rabbit IgG
Immunogen Information :	A monomethyl -peptide corresponding to the Monomethyl -Histone H4 (Arg3).

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 RM195 reacts to Histone H4 monomethylated at Arginine 3 (R3me1). No cross reactivity with unmodified Arginine 3, asymmetric or symmetric dimethylated Arginine 3, and citrullinated Arginine 3 in Histone H4. Western Blot: 0.5 µg/ml - 2 µg/ml; ELISA: 0.2 µg/ml - 1 µg/ml; Multiplex: 0.2 µg/ml - 1 µg/ml; Immunocytochemistry: 1 µg/ml - 2 µg/ml.

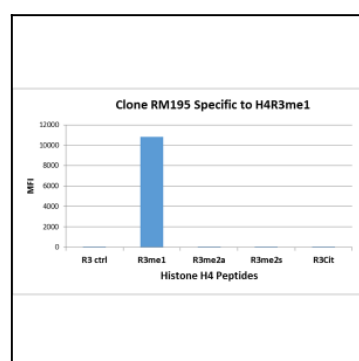


Figure 1: Clone: RM195 specifically reacts to Histone H4 mono-methylated at Arginine 3 (R3me1). No cross reactivity with unmodified Arg 3 (R3 ctrl), asymmetric dimethylated Arg 3 (R3me2a) or symmetric dimethylated Arg 3(R3me2s), and citrullinated Arg 3 (R3Cit) in Histone H4.

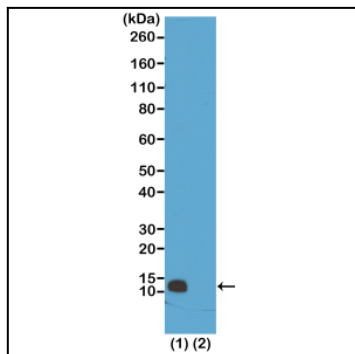


Figure 2: Western Blot of (1) acid extracts of HeLa cells; (2) recombinant Histone H4. Using Clone: RM195 at 0.5 $\mu\text{g/ml}$, showed a band of Histone monomethylated at Arginine3 in HeLa cells.

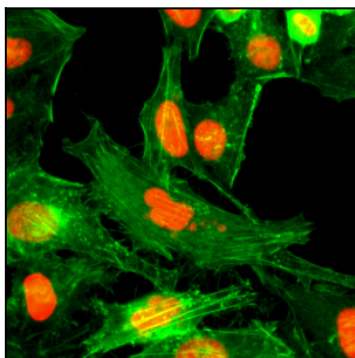


Figure 3: Immunocytochemical staining of HeLa cells treated with sodium butyrate, using anti-Monomethyl-Histone H4 (Arg3) Rabbit Monoclonal Antibody (Clone: RM195) (red). Actin filaments have been labeled with fluorescein phalloidin (green).