

H3K4me3 Recombinant Rabbit Monoclonal Antibody (RM137)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	RM137
Conjugate	Unconjugated
Immunogen	A trimethyl-peptide corresponding to Trimethyl-Histone H3 (Lys4).
Form	Liquid
Concentration	1.0 mg/mL
Purification	Protein A
Storage buffer	PBS with 1% BSA, 50% glycerol
Contains	0.09% sodium azide
Storage conditions	-20°C
RRID	AB_2810174

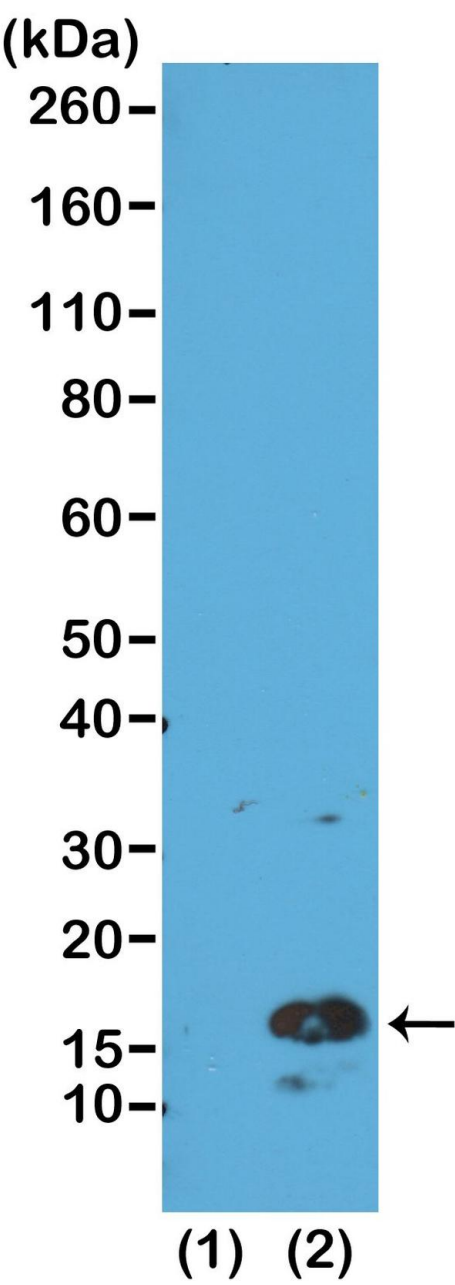
Applications	Tested Dilution	Publications
Western Blot (WB)	0.2-1 µg/mL	-
ELISA (ELISA)	0.1-0.5 µg/mL	-
Luminex (LUM)	0.1-0.5 µg/mL	-
Dot blot (DB)	0.1-0.5 µg/mL	-

Product Specific Information

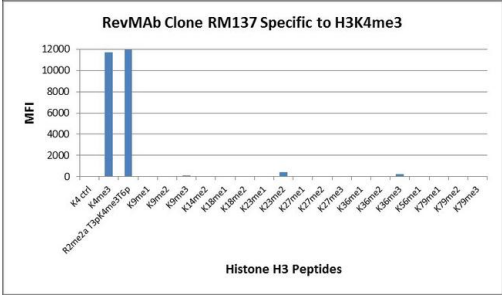
Specificity: reacts to Histone H3 trimethylated at Lysine 4 (K4me3). No cross reactivity with monomethylated Lysine 4 (K4me1) or dimethylated Lysine 4 (K4me3), or other methylation in histone H3.

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

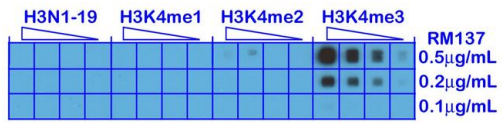
Product Images For H3K4me3 Recombinant Rabbit Monoclonal Antibody (RM137)



H3K4me3 Antibody (MA5-33082) in WB
Western blot analysis of Tri-Methyl-Histone H3 (Lys4) in recombinant histone H3.3 (1) and acid extracts of HeLa cells (2). Samples were incubated with Tri-Methyl-Histone H3 (Lys4) monoclonal antibody (Product # MA5-33082) using a 0.5 µg/mL dilution.



H3K4me3 Antibody (MA5-33082) in LUM
Luminex analysis of Tri-Methyl-Histone H3 (Lys4) in various methylated, dimethylated or trimethylated Histone H3 peptides. Samples were incubated with Tri-Methyl-Histone H3 (Lys4) monoclonal antibody (Product # MA5-33082) using a 0.1 µg/mL dilution.



H3K4me3 Antibody (MA5-33082) in DB
Dot blot of Tri-Methyl-Histone H3 (Lys4) in nonmodified Lysine 4 (H3N1-19), monomethylated Lysine 4 (K4me1) or dimethylated Lysine 4 (K4me2). Samples were incubated with Tri-Methyl-Histone H3 (Lys4) monoclonal antibody (Product # MA5-33082) using a 0.5, 0.2 and 0.1 µg/mL dilution.

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