

# H4R3me1 Recombinant Rabbit Monoclonal Antibody (RM195)

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	RM195
Conjugate	Unconjugated
Immunogen	Monomethyl -peptide corresponding to the Monomethyl -Histone H4 (Arg3).
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.2-7.4, with 50% glycerol, 1% BSA
Contains	0.09% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2661892

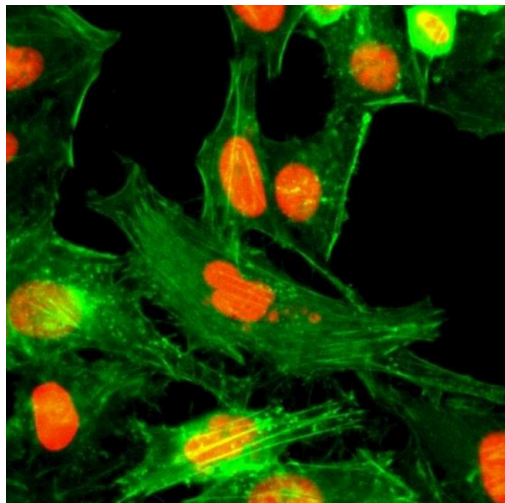
Applications	Tested Dilution	Publications
Western Blot (WB)	0.5-2 µg/mL	-
Immunocytochemistry (ICC/IF)	1-2 µg/mL	-
ELISA (ELISA)	0.2-1 µg/mL	-
Luminex (LUM)	0.2-1 µg/mL	-

## Product Specific Information

This antibody 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.

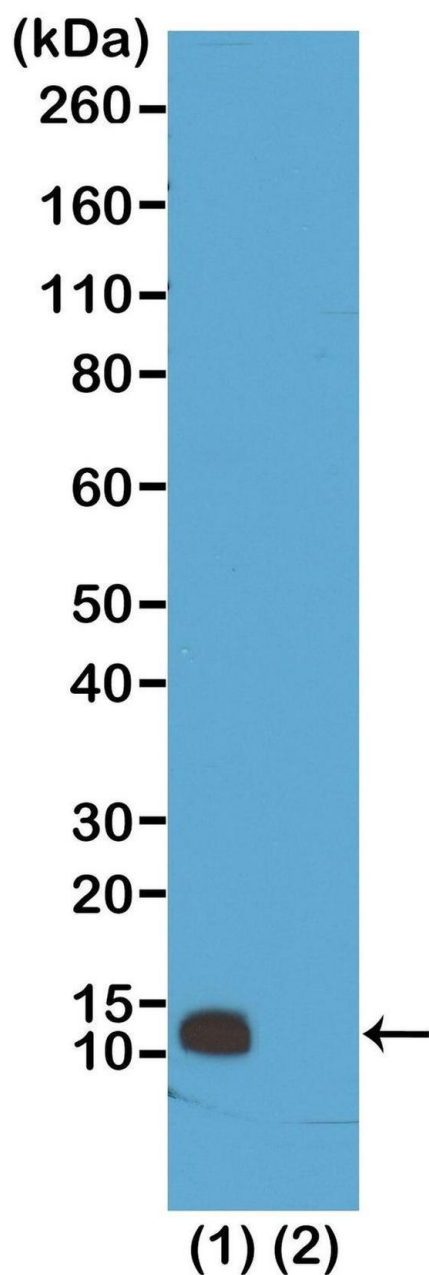
Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages 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 H4R3me1 Recombinant Rabbit Monoclonal Antibody (RM195)



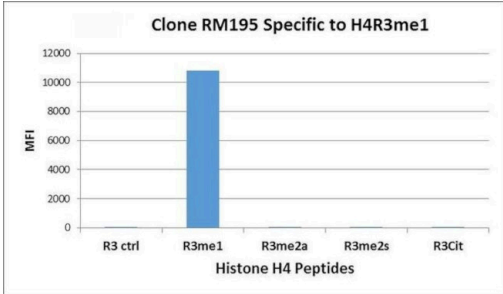
#### H4R3me1 Antibody (MA5-24689) in ICC/IF

Immunofluorescent analysis of HeLa cells using Methyl-Histone H4 (Arg3) Antibody (Product # MA5-24689) (red). Actin filaments have been labeled with FITC-conjugated phalloidin (green).



#### H4R3me1 Antibody (MA5-24689) in WB

Western Blot of (1) acid extracts of HeLa cells; (2) recombinant Histone H4. Using Methyl-Histone H4 (Arg3) Antibody (Product # MA5-24689) at 0.5 mg/mL, showed a band of Histone monomethylated at Arginine 3 in HeLa cells.



**H4R3me1 Antibody (MA5-24689) in LUM**  
Methyl-Histone H4 (Arg3) Antibody (Product # MA5-24689) specifically reacts to Histone H4 monomethylated at Arginine 3 (R3me1).

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