

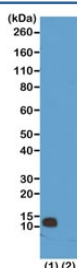
Recombinant H4R3me1 Antibody [clone RM195] (R20223)

Catalog No.	Formulation	Size
R20223-100UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	100 ug
R20223-25UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	25 ug

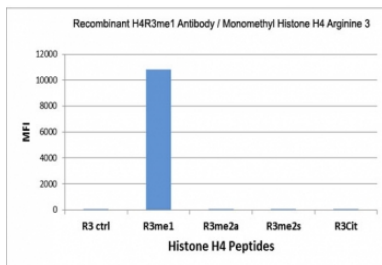
Recombinant **RABBIT MONOCLONAL**

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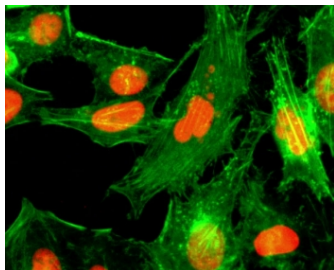
Availability	1-3 business days
Species Reactivity	All Species
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	RM195
Purity	Protein A purified from animal origin-free supernatant
UniProt	P62805
Gene ID	121504
Applications	Western Blot : 0.5-2ug/ml ELISA : 0.2-1ug/ml Immunocytochemistry : 1-2ug/ml
Limitations	This recombinant H4R3me1 antibody is available for research use only.



Western blot test of (1) acid extracts of HeLa cells and (2) recombinant Histone H4 using recombinant H4R3me1 antibody at 0.5 ug/ml showed a band of Histone monomethylated at Arginine 3 in HeLa cells.



The recombinant H4R3me1 antibody specifically reacts to Histone H4 monomethylated at Arginine 3 (R3me1). No cross reactivity with unmodified Arg3 (R3 ctrl), asymmetric dimethylated Arg3 (R3me2a) or symmetric dimethylated Arg3 (R3me2s), and citrullinated Arg3 (R3Cit) in H4.



ICC/IF staining of HeLa cells treated with sodium butyrate using recombinant H4R3me1 antibody (red). Actin filaments have been labeled with fluorescein phalloidin (green).

Description

This recombinant H4R3me1 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant H4R3me1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A monomethyl-peptide corresponding to Monomethyl-Histone H4 (Arg3) was used as the immunogen for this recombinant H4R3me1 antibody.

Storage

Store the recombinant H4R3me1 antibody at -20oC (with glycerol) or aliquot and store at -20oC (without glycerol).