

Anti-Monomethyl-Histone H4 (Arg3) HIST1H4A Rabbit Monoclonal Antibody, Clone#RM195

Catalog Number: M14495-5

Overview

Product Name	Anti-Monomethyl-Histone H4 (Arg3) HIST1H4A Rabbit Monoclonal Antibody, Clone#RM195
Reactive Species	Human, Vertebrates
Description	Boster Bio Anti-Monomethyl-Histone H4 (Arg3) HIST1H4A Rabbit Monoclonal Antibody, Clone#RM195 (Catalog # M14495-5). Tested in WB, ICC, ELISA, Luminex applications. This antibody reacts with Human, Vertebrates.
Application	ELISA, ICC, WB, Luminex
Clonality	Monoclonal RM195
Formulation	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Storage Instructions	Store at -20°C for one year. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P62805

Technical Details

Immunogen	A monomethyl -peptide corresponding to the Monomethyl -Histone H4 (Arg3).
Cross Reactivity	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.
Isotype	Rabbit IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A affinity purified from an animal origin-free culture supernatant
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 0.5 ug/mL - 2 ug/mL ICC: 1 ug/mL - 2 ug/mL ELISA: 0.2 ug/mL - 1 ug/mL

	Luminex: 0.2 ug/mL - 1 ug/mL.
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Anti-Monomethyl-Histone H4 (Arg3) HIST1H4A Rabbit Monoclonal Antibody, Clone#RM195 (M14495-5) Images

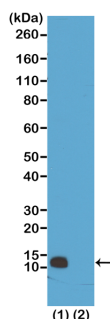


Figure 1. Western Blotting result
Western Blot of (1) acid extracts of HeLa cells; (2) recombinant Histone H4. Using RM195 at 0.5 ug/mL, showed a band of Histone monomethylated at Arginine 3 in HeLa cells.

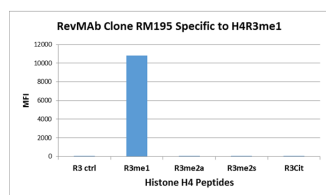


Figure 2. Specificity Test result
RM195 specifically reacts to Histone H4 monomethylated at Arginine 3 (R3me1). No cross reactivity with unmodified Arg 3 (R3 ctrl), asymmetric dimethylated Arg 3 (R3me2a) or symmetric dimethylated Arg 3 (R3me2s), and citrullinated Arg 3 (R3Cit) in Histone H4.

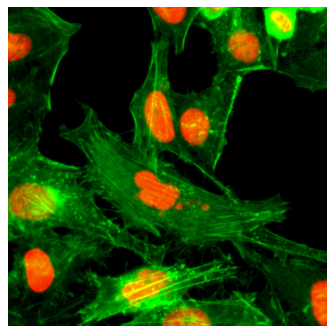


Figure 3. ICC result
Immunocytochemical staining of HeLa cells using anti-Monomethyl-Histone H4 (Arg3) Antibody (Clone RM195) (red). Actin filaments have been labeled with fluorescein phalloidin (green).

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