

Product Data Sheet

Di-Methyl-Histone H3 (Lys4) Antibody (T.77.9)

Species Reactivity
Human (Hu)
Mouse (Ms)
Rat (Rt)
Non-human primate (Nhp)

Applications	Dilution *
Western Blot (WB)	1:1000
Immunoprecipitation (IP)	1:25
Immunohistochemistry (Paraffin) (IHC (P))	1:1500
Immunofluorescence (IF)	1:800
ChIP assay (ChIP)	1:50

^{*} Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details		
Catalog Number:	MA5-11196	
Size:	100 ul	
Class:	Monoclonal	
Type:	Antibody	
Clone:	T.77.9	
Host / Isotype:	Rabbit / IgG	
Immunogen:	Synthetic peptide (KLH-coupled) corresponding to the amino terminus of histone H3 in which Lys4 is di-methylated.	
Storage:	-20° C, Avoid Freeze/Thaw Cycles	
Form:	100 ul of Antibody in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide.	

Product Specific Information

Anti-Di-Methyl-Histone H3 (Lys4) Monoclonal Antibody MA5-11196 has been tested and validated in use for Western Blot, Immunoprecipitation, Immunohistochemistry (Parrafin), Immunoflourescence, and ChIP applications.

A molecular weight of approximately 17 kDa is expected.

General Information

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.

This product is for In Vitro experimental use only. Not for resale without express authorization.

This product ("Product") is warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Product documentation, specifications and/or accompanying package inserts ("Documentation") and to be free from defects in material and workmanship. Unless otherwise expressly authorized in writing, Products are supplied for research use only. No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the original purchaser of the Product ("Buyer"). No other warranties, express or implied, are granted, including without limitation, implied warranties of merchantability, fitness for any particular purpose, or non infringement. Buyer's exclusive remedy for non-conforming Products during the warranty period is limited to replacement of or refund for the non-conforming Product(s). There is no obligation to replace Products as the result of (i) accident, disaster or event of force majeure, (ii) misuse, fault or negligence of or by Buyer, (iii) use of the Products in a manner for which they were not designed, or (iv) improper storage and handling of the Products.

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