

Product Data Sheet

Tri-Methyl-Histone H3 (Lys27) Antibody (G.299.10)

TII-Methyl-Instance IIS (Eys27) Intibody (G.2).		
Tested Species Reactivity		
Human (Hu)		
Mouse (Ms)		
Rat (Rt)		
Non-human primate (Nhp)		
Xenopus laevis (Xl)		
Zebrafish (Zf)		

Tested Applications	Dilution *
Western Blot (WB)	1:1000
Immunofluorescence (IF)	1:800
Immunohistochemistry (Paraffin) (IHC (P))	1:200
Immunoprecipitation (IP)	1:100
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:	MA5-11198		
Size:	100 ul		
Class:	Monoclonal		
Type:	Antibody		
Clone:	G.299.10		
Host / Isotype:	Rabbit / IgG		

Synthetic peptide (KLHcoupled) corresponding to the **Immunogen:** amino terminus of histone H3 in which Lys27 is

tri-methylated.

Form Information			
Form:	Liquid		
Purification:	Affinity chromatography		
Storage Buffer:	$0.01M$ HEPES, pH 7.5, with 0.15M NaCl, $100\mu g/ml$ BSA, 50% glycerol		
Preservative:	<0.02% sodium azide		
Storage Conditions:	-20° C, Avoid Freeze/Thaw Cycles		

Product Specific Information

MA5-11198 detects human, mouse, rat and monkey samples. This product reacts with Xenopus laevis and Zebrafish based on sequence homology.

MA5-11198 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.

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

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.

General Information

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

roducts are 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 ments (Taccumentation). No claim of suitability for use in application is required to any order to a substantial provided cere in said only when used by properly trained individuals, of lies observes sealed in the Decorriemation, this warranty is immitted to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not exceed to anyone defend that they can make a substantial provided in the product of the

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