

Product datasheet for **BM465S**

Histone H1 Mouse Monoclonal Antibody [Clone ID: AE-4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AE-4
Applications:	ELISA, IF, IHC, IP, WB
Recommended Dilution:	ELISA. Western blotting. Immunoprecipitation. Immunofluorescence. Immunohistology on Frozen and Paraffin Sections: Acetone or PFA fixation is recommended for Frozen sections. <i>Positive Control Tissue:</i> Tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	A BALB/c mouse was immunized with Human leukemia biopsy cells. The isolated splenocytes were fused with mouse myeloma cells.
Specificity:	AE-4 recognizes Histone H1 in the nuclei of animal and plant cells. It produces a speckled nuclear staining pattern in normal and malignant cells. Tonsil is the recommended positive control tissue.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.



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Background: The histone proteins serve as a structural scaffold for the organisation of nuclear DNA into chromatin. In eucariotic cells there are 4 core histone proteins, H2A, H2B, H3 and H4 that asseble to form an octamer round which the DNA is wrapped in a sequence dependant manner. The resulting complex is known as a nucleosome and is the basic subunit of chromatin. Histone H1 acts as a linker and binds to each nucleosome, and by self affinity, links these nucleosomes together resulting in the 30 nm chromatin fiber.

Synonyms: H1 Histone Family, H1F4, H1F5, Histone H1a, Histone H1b