



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti Human Histone H1

With HRP-conjugated Secondary Antibody

Catalog No.	Target Species	Isotype
DS-MB-01531	Human	IgG2a

Preparation

Preparation: Purified IgG prepared by affinity chromatography on Protein G

Immunogen: Nuclei from myeloid leukemia biopsy cells.

Specificity

DS-MB-01531 recognizes histone H1. The histone proteins serve as a structural scaffold for the organization of nuclear DNA into chromatin. In eukaryotic cells there are 4 core histone proteins, H2A, H2B, H3 and H4 that assemble 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. In blots of rat brain homogenate a duplet is observed at 27-29 kDa consistent with Histone H1. Speckled staining is observed in the nucleus of normal and malignant cells.

Histology Positive Control Tissue: Tonsil

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Preservatives & Stabilizers: 0.09% Sodium Azide

Buffer Solution: Phosphate buffered saline

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Storage

18 months from date of dispatch.

Store at 4°C or at -20°C if preferred.

This product should be stored undiluted. Storage in frost free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

Avoid repeated freezing and thawing as this may denature the antibody.

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			
Immunohistology – Frozen	•			
Immunohistology - Paraffin	•			
Western Blotting	•			1/100
Immunofluorescence	•			

Note (1) Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

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