



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

RAT ANTI SEROTONIN

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-02297

Species
Broad

Isotype
IgG2

Preparation:

Immunogen: Serotonin conjugated to Bovine Serum Albumin.

Fusion Partners: Spleen cells from immunised COB wistar rats were fused with cells of the Y3-Ag-1.2.3 rat myeloma cell line.

Specificity

DS-MB-01912 recognizes serotonin and does not cross react with 5-hydroxyindolacetic acid, GABA, noradrenaline, 5-hydroxytryptophan, carnosine or melatonin.

Serotonin (also known as 5-hydroxytryptamine or 5-HT) is a biochemical messenger and neurotransmitter synthesized from L-tryptophan. Serotonin has a range of functions, including regulation of gastric motility, and may be related to some psychiatric disorders including schizophrenia and depression.

Serotonin is widely distributed in the central and peripheral nervous system, and also in some non-neural tissues such as platelets.

Formulation

Product Type: Monoclonal Antibody

Product Form: Tissue Culture Supernatant - liquid

Preservative & Stabilizers: 0.01% Thiomersal

Storage

18 months from date of despatch.

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

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

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

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



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Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			.	
Western Blotting			.	
Immunohistology - frozen(*)	.			
Immunohistology - paraffin			.	
Immunohistology - resin			.	
Immunoprecipitation			.	
Flow Cytometry			.	
Immunofluorescence	.			
Gel Super Shift Assays			.	

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

(*) Formaldehyde fixation is recommended

Secondary Antibody Applications

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

Reference

Milstein, C. et al. (1983) The discrepancy between the cross-reactivity of a monoclonal antibody to serotonin and its immunohistochemical specificity. Mol. Immunol. 20(1): 113-123.

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