



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

MOUSE ANTI SYNAPTOPHYSIN

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-02355

Species
Human

Isotype
IgG1

Preparation:

Purification: Purified IgG prepared by affinity chromatography on Protein A

Immunogen: Synaptophysin presynaptic vesicles

Specificity

This product is specific for Synaptophysin, a glycoprotein located in the membrane of synaptic vesicles that is ubiquitously expressed in all neurons. It is widely used as a marker for nerve terminals and for differentiating neuroendocrine tumours.

It has been used to detect the following neuronal and adrenal tumours: pheochromocytomas, paragangliomas, neuroblastomas, ganglioneuroblastomas; neuroendocrine tumours of epithelial origin; pancreatic islet cell carcinoma, bronchial and gastrointestinal carcinoids and medullary carcinoma of the thyroid.

Species Cross Reactivity Reacts with: Mouse, Human, Rat

N.B. Antibody reactivity and working conditions may vary between species.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Preservative & Stabilizers: 0.09% Sodium Azide (NaN₃), 0.5% Bovine Serum Albumin

Buffer Solution: Phosphate buffered saline

Approx. Protein Concentrations: 0.05 mg/ml

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			.	
Immunofluorence			.	
Western Blotting	.			

Note: 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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