



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti Human Chromogranin A

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-01007

Target Species
Human

Isotype
IgG1

Description

Immunogen: Human pheochromocytoma tissue

Specificity

DS-MB-01007 recognizes human Chromogranin A and related chromogranin polypeptides. The antibody stains endocrine derived cells containing secretory storage granules. In tumor cells the intensity of staining is proportional to the number of secretory storage granules present. Small cell carcinoma of the lung, Merkel cell carcinomas and neuroblastomas exhibit weak staining, whilst most other endocrine derived tumors stain strongly.

This antibody has been reported to be active in Western blotting procedures, but this format is not recommended for such applications.

Immunohistology: This product does not require protein digestion pre-treatment of paraffin sections

Histology Positive Control Tissue: Normal Pancreas

Species Crossreactivity: Pig, Monkey; Antibody reactivity and working conditions may vary between species.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG – liquid

Format: Ready to Use

Buffer Solution: Phosphate buffered saline

Preservative & Stabilizers: 0.09% Sodium Azide, 1% Bovine Serum Albumin

Fusion Partners: Spleen cells from an immunized BALB/c mouse were fused with cells of the mouse NSI myeloma cell line.

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



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Storage

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Western Blotting			•	
ELISA			•	
IHC - paraffin	•			Neat
IHC - frozen	•			Neat

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

References

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5. Pearse, A.G.E. (1977) The diffuse neuroendocrine system and the APUD concept: Related endocrine peptides in brain, intestine, pituitary, placenta and anuran cutaneous glands. *Med. Biol.* 55: 115-125.
6. Walts, A.E. *et al.* (1985) Chromogranin as a marker of neuroendocrine cells in cytologic material - an immunocytochemical study. *Am. J. Clin. Pathol.* 84: 273-277.
7. Wilson, B.S. and Lloyd, R.V. (1984) Detection of chromogranin in neuroendocrine cells with a monoclonal antibody. *Am. J. Pathol.* 115: 458-468.
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