

Datasheet: MCA4773

Description:	MOUSE ANTI HUMAN CHROMOGRANIN A
Specificity:	CHROMOGRANIN A
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	PHE5
Isotype:	IgG1
Quantity:	0.2 mg

Product Details

RRID AB_10673954

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			1/250 - 1/1000
ELISA			▪	
Western Blotting (2)		▪		

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

(2) This product recognizes bands between 66kDa and 75kDa under reducing conditions.

Target Species	Human
Species Cross Reactivity	Does not react with:Rat
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Human pheochromocytoma tissue.
External Database Links	<p>UniProt: P10645 Related reagents</p> <p>Entrez Gene: 1113 CHGA Related reagents</p>
Specificity	<p>Mouse anti Human Chromogranin A antibody, clone PHE5 specifically recognizes chromogranin A (CgA), a secretory glycoprotein and member of the chromogranin/secretogranin family, widely expressed by cells of the neuroendocrine system and related tumours, which is used in immunohistochemistry as a valuable diagnostic marker for pheochromocytomas, paragangliomas and carcinoid, pancreatic and prostate tumours.</p> <p>CgA constitutes one of the most abundant components of secretory granules, and is the precursor to several functional peptides including vasostatin and pancreastatin.</p> <p>Mouse anti Human Chromogranin A antibody, clone PHE5 is reported as suitable for use in western blotting, identifying identical bands to clone LK2H10.</p>
Histology Positive Control Tissue	Normal Pancreas
References	1. Bordi, C. <i>et al.</i> (1988) Comparative study of seven neuroendocrine markers in pancreatic endocrine tumours. Virchows Arch A Pathol Anat Histopathol. 413 (5): 387-98.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Rabbit Anti Mouse IgG (STAR13...)	HRP

Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@549](#),
[DyLight@649](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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Printed on 27 Nov 2018

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