

Datasheet: MCA4750GA

BATCH NUMBER 153224

Description:	MOUSE ANTI HUMAN PROTEIN GENE PRODUCT 9.5
Specificity:	PROTEIN GENE PRODUCT 9.5
Other names:	PGP 9.5, UCHL1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	BH7
Isotype:	IgG1
Quantity:	0.1 ml

Product Details

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			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/5000
Immunofluorescence	▪			1/500

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.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Mouse, Rat, Bovine</p> <p>Based on sequence similarity, is expected to react with:Mammals</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
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	0.03% Sodium Azide 50% Glycerol
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Recombinant full length human PGP9.5 purified from <i>E.coli</i> .
External Database Links	<p>UniProt:</p> <p>P09936 Related reagents</p> <p>Q9R0P9 Related reagents</p> <p>Q00981 Related reagents</p> <p>P23356 Related reagents</p> <p>Entrez Gene:</p> <p>7345 UCHL1 Related reagents</p> <p>22223 Uchl1 Related reagents</p> <p>514394 UCHL1 Related reagents</p> <p>29545 Uchl1 Related reagents</p>
Specificity	<p>Mouse anti Human protein gene product 9.5 monoclonal antibody, clone BH7 recognizes protein gene product 9.5 (PGP9.5) also known as ubiquitin C terminal hydrolase 1 (UCH-L1). UCH-L1 is a thiol protease that recognises and hydrolyses a peptide bond at the C-terminal glycine of ubiquitin. This protein is closely related to UCH-L3 and both are thought to recycle ubiquitin to maintain pools of monomeric ubiquitin necessary for proteolysis. UCH-L1 is expressed in neurons and cells of the diffuse neuroendocrine system and their tumours.</p> <p>UCH-L1 and UCH-L3 have been shown to have separate and overlapping functions in the maintenance of neurons of the gracile tract, nucleus tractus solitarius (NTS) and area postrema (Kurihara <i>et al.</i> 2001) .</p>
Western Blotting	Clone BH7 detects a band of approximately 24 kDa in rat hippocampal lysate
References	1. Peyrot des Gachons, C. <i>et al.</i> (2011) Unusual pungency from extra-virgin olive oil is attributable to restricted spatial expression of the receptor of oleocanthal. J Neurosci. 31: 999-1009.
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</p>

denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10049 available at: https://www.bio-rad-antibodies.com/SDS/MCA4750GA 10049
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

'M372143:200625'

Printed on 18 Mar 2025