

Datasheet: HCA146

Description:	HUMAN ANTI HUMAN MEGALIN
Specificity:	MEGALIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD11723
Isotype:	HuCAL Fab monovalent
Quantity:	0.1 mg

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	▪			1:50 - 1:100
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays			▪	

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
Product Form	A monovalent human recombinant Fab selected from the HuCAL® phage display library, expressed in <i>E. coli</i> . The antibody is tagged with V5 and a double extended Strep-tag at the C-terminus of the antibody heavy chain. This antibody is supplied lyophilised.
Reconstitution	Reconstitute with 1.0ml distilled water
Preparation	StrepTactin affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin
Approx. Protein Concentrations	Total protein concentration 0.1mg/ml
Immunogen	Human Megalin (aa sequence 1024-1224) – N1 fusion protein.

External Database Links	<p>UniProt: P98164 Related reagents</p> <p>Entrez Gene: 4036 LRP2 Related reagents</p>
Specificity	<p>Human anti Human Megalin antibody, clone 11723 recognizes human Megalin, also known as LRP-2 and Glycoprotein 330, a transmembrane protein with an approximate molecular weight of 521 kDa belonging to the LDLR family.</p> <p>Megalin is a multi-ligand binding receptor involved in the mediation of various cell processes including the binding of plasminogen, lactoferrin and various extracellular matrix components. In association with RAP, Megalin forms the Heymann nephritis antigenic complex. Megalin is located in absorptive epithelia including the renal proximal tubules.</p>
Immunohistology	This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.
Histology Positive Control Tissue	Human kidney
Storage	<p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution store at -20°C.</p> <p>Storage in frost-free freezers is not recommended. 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	12 months from date of reconstitution.
Acknowledgements	Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.
Health And Safety Information	<p>Material Safety Datasheet documentation available at:</p> <p>Material Safety Datasheet Documentation #10041 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</p>
Licensed Use	For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.
Regulatory	For research purposes only
Technical Advice	Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the HuCAL Antibodies Technical Manual

Related Products

Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide STREP-TAG IMMO (MCA2488...) [Purified](#)

Mouse Anti Viral V5-TAG (MCA1360...) [Alk. Phos.](#), [Purified](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

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
'M305033:170420'

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

Printed on 13 Nov 2017

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