

Datasheet: HCA146

BATCH NUMBER 167548

Description:	HUMAN ANTI HUMAN MEGALIN
Specificity:	MEGALIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD11723
Isotype:	HuCAL Fab bivalent
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	▪			1:250 - 1:500
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 bivalent human recombinant Fab selected from the HuCAL phage display library, expressed in <i>E.coli</i> . This Fab fragment is bivalent by dimerization of the bacterial alkaline phosphatase fusion protein. The antibody is tagged with a V5 tag and a double extended Strep-tag at the C-terminus of the antibody heavy chain. This antibody is supplied liquid.
Preparation	StrepTactin affinity chromatography
Source	<i>E.coli</i>
Buffer Solution	Phosphate buffered saline

Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	Ig concentration 0.5 mg/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>
RRID	AB_10718708
Specificity	<p>Human anti Human megalin antibody, clone AbD11723 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>Megalín 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>
Histology Positive Control Tissue	Human kidney
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Acknowledgements	This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA146 10040
Licensed Use	For <i>in vitro</i> . 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...) [Purified](#)

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

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