

## Datasheet: HCA146

<b>Description:</b>	HUMAN ANTI HUMAN MEGALIN
<b>Specificity:</b>	MEGALIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD11723
<b>Isotype:</b>	HuCAL Fab monovalent
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	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 lyophilized.
<b>Reconstitution</b>	Reconstitute with 1.0 ml distilled water
<b>Preparation</b>	StrepTactin affinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	Ig concentration 0.1 mg/ml after reconstitution
<b>Immunogen</b>	Human megalin (aa sequence 1024-1224) – N1 fusion protein

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P98164</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">4036</a> LRP2 <a href="#">Related reagents</a>
<b>Specificity</b>	<p><b>Human anti Human megalin antibody, clone AbD11723</b> 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. Magalin is located in absorptive epithelia including the renal proximal tubules.</p>
<b>Immunohistology</b>	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.
<b>Histology Positive Control Tissue</b>	Human kidney
<b>Storage</b>	<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>
<b>Shelf Life</b>	12 months from date of reconstitution
<b>Acknowledgements</b>	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.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
<b>Licensed Use</b>	For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad.
<b>Regulatory</b>	For research purposes only
<b>Technical Advice</b>	Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the <a href="#">HuCAL Antibodies Technical Manual</a>

## Related Products

### Recommended Secondary Antibodies

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

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

### Recommended Useful Reagents

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

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