

Datasheet: HCA146

BATCH NUMBER 155151

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
Buffer Solution	Phosphate buffered saline
Preservative	0.01% Thiomersal

Stabilisers

Approx. Protein Concentrations Ig concentration 0.5 mg/ml

Immunogen Human megalin (aa sequence 1024-1224) – N1 fusion protein.

External Database Links

UniProt:

[P98164](#) [Related reagents](#)

Entrez Gene:

[4036](#) LRP2 [Related reagents](#)

RRID AB_10718708

Specificity **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.

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.

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 Store at +4°C or at -20°C if preferred.
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.

Guarantee 12 months from date of despatch

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 Material Safety Datasheet documentation #10094 available at: <https://www.bio-rad-antibodies.com/SDS/HCA14610094>

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...) [Purified](#), [Alk. Phos.](#)

North & South Tel: +1 800 265 7376

America 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

'M374139:201020'

Printed on 06 Apr 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)