

Datasheet: HCA042

BATCH NUMBER 1707

Description:	HUMAN ANTI HUMAN HEMOGLOBIN
Specificity:	HEMOGLOBIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD05988
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
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			1/1000 - 1/2500

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® GOLD phage display library. Expressed in E. coli and purified using purified using NiNTA affinity chromatography. The antibody is tagged with a myc-tag (EQKLISEEDL) and a his-tag (HHHHHH) at the C-terminus of the antibody heavy chain.

Preparation

Metal chelate affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.01% Thiomersal

Approx. Protein Concentrations	Antibody concentration 0.5 mg/ml
Immunogen	Purified human hemoglobin
External Database Links	<p>UniProt:</p> <p>P69905 Related reagents</p> <p>P68871 Related reagents</p> <p>Entrez Gene:</p> <p>3040 HBA2 Related reagents</p> <p>3043 HBB Related reagents</p>
RRID	AB_906036
Specificity	<p>Human anti Human hemoglobin antibody, clone AbD05988 recognizes human hemoglobin, a vital oxygen transporting protein that is the major protein constituent of red blood cells.</p> <p>This antibody recognizes human hemoglobin in Western blot, binding to the 17 kDa sub-unit and multimers thereof. Analysis of binding has demonstrated an affinity of 9nM.</p>
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. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	6 months from date of despatch
Acknowledgements	<p>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.</p> <p>His-tag is a registered trademark of EMD Biosciences.</p>
Health And Safety Information	<p>Material Safety Datasheet documentation #10094 available at: https://www.bio-rad-antibodies.com/SDS/HCA042</p> <p>10094</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

Goat Anti Human IgG F(ab')₂ (0500-0099...) [HRP](#)
Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995...) [HRP](#)
Mouse Anti Human C-MYC (MCA2200...) [HRP](#)

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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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