

Datasheet: HCA042

**BATCH NUMBER 164140**

<b>Description:</b>	HUMAN ANTI HUMAN HEMOGLOBIN
<b>Specificity:</b>	HEMOGLOBIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD05988
<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
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

<b>Approx. Protein Concentrations</b>	Antibody concentration 0.5 mg/ml
<b>Immunogen</b>	Purified human hemoglobin
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P69905</a>      <a href="#">Related reagents</a></p> <p><a href="#">P68871</a>      <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">3040</a>    HBA2    <a href="#">Related reagents</a></p> <p><a href="#">3043</a>    HBB      <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_906036
<b>Specificity</b>	<p><b>Human anti Human hemoglobin antibody, clone AbD05988</b> 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>
<b>Storage</b>	<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>
<b>Guarantee</b>	6 months from date of despatch
<b>Acknowledgements</b>	<p>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 <a href="http://bio-rad.com/en-us/trademarks">bio-rad.com/en-us/trademarks</a> for details.</p> <p>His-tag is a registered trademark of EMD Biosciences.</p>
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10094 available at: <a href="https://www.bio-rad-antibodies.com/SDS/HCA042">https://www.bio-rad-antibodies.com/SDS/HCA042</a></p> <p>10094</p>
<b>Licensed Use</b>	For <i>in vitro</i> . 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

Goat Anti Human IgG F(ab')<sub>2</sub> (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](https://bio-rad-antibodies.com/datasheets)

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