

Datasheet: HCA036

**BATCH NUMBER 170641**

|                      |                       |
|----------------------|-----------------------|
| <b>Description:</b>  | HUMAN ANTI MOUSE IgG1 |
| <b>Specificity:</b>  | IgG1                  |
| <b>Format:</b>       | Purified              |
| <b>Product Type:</b> | Monoclonal Antibody   |
| <b>Clone:</b>        | AbD04639              |
| <b>Isotype:</b>      | HuCAL Fab bivalent    |
| <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 |     |    | ▪              |                    |
| ELISA                      | ▪   |    |                | 1/200 - 1/1000     |
| Immunoprecipitation        |     |    | ▪              |                    |
| Western Blotting           |     |    | ▪              |                    |

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>  | Mouse   |
| <b>Product Form</b>    | A bivalent human recombinant Fab selected from the HuCAL GOLD phage display library. Expressed in E. coli and purified using NiNTA affinity chromatography. This Fab fragment is dimerized via a helix-turn-helix motif. The antibody is tagged with a myc-tag (EQKLISEEDL) and a his-tag (HHHHHH) at the C-terminus of the antibody heavy chain. |
| <b>Preparation</b>     | Metal chelate affinity chromatography   |
| <b>Source</b>          | E.coli  |
| <b>Buffer Solution</b> | Phosphate buffered saline   |

|                                       |   |
|---------------------------------------|---|
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )  |
| <b>Approx. Protein Concentrations</b> | Antibody concentration 0.5 mg/ml  |
| <b>Immunogen</b>                      | Purified mouse monoclonal IgG1  |
| <b>External Database Links</b>        | <p><b>UniProt:</b></p> <p><a href="#">P01868</a>    <a href="#">Related reagents</a></p> <p><a href="#">P01869</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">16017</a> Ighg1    <a href="#">Related reagents</a></p> <p><a href="#">16017</a> Ighg1    <a href="#">Related reagents</a></p>   |
| <b>Synonyms</b>                       | Igh-4   |
| <b>RRID</b>                           | AB_906055   |
| <b>Specificity</b>                    | <b>Human anti Mouse IgG1 antibody, clone AbD04639</b> is specific for mouse IgG1. No cross reactivity is seen with other mouse immunoglobulin sub-classes, rat immunoglobulins, or sheep, bovine and goat IgG.  |
| <b>References</b>                     | 1. Ma, W. <i>et al.</i> (2012) Use of Dip and Read™ Anti-Human Fab-CH1 Biosensors for Rapid Quantitation and Kinetic Analysis of Human IgG Fab Fragments Biopharmasia Poster FBO050   |
| <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 #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/HCA036">https://www.bio-rad-antibodies.com/SDS/HCA036</a></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  |

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**Technical Advice** Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#).

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## Related Products

### Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995...) [HRP](#)

Mouse Anti Human C-MYC (MCA2200...) [HRP](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

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