

Datasheet: 103001

**BATCH NUMBER 162811**

|                      |                     |
|----------------------|---------------------|
| <b>Description:</b>  | GOAT ANTI MOUSE IgG |
| <b>Specificity:</b>  | IgG                 |
| <b>Format:</b>       | Purified            |
| <b>Product Type:</b> | Polyclonal Antibody |
| <b>Isotype:</b>      | Polyclonal IgG      |
| <b>Quantity:</b>     | 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                      | ■   |    |                | 1/2000 - 1/4000    |
| Immunoprecipitation        |     |    | ■              |                    |
| Western Blotting           |     |    | ■              |                    |
| Immunoblotting             | ■   |    |                |                    |

Where this antibody 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 antibody for use in their own system using the appropriate negative/positive controls.

|                              |  |
|------------------------------|--|
| <b>Target Species</b>        | Mouse  |
| <b>Product Form</b>          | Ig fraction - liquid   |
| <b>Preparation</b>           | Purified Ig prepared by affinity chromatography on pooled mouse IgG covalently linked to agarose   |
| <b>Antiserum Preparation</b> | Antisera to mouse IgG were raised by repeated immunisations of goats with highly purified antigen. |
| <b>Buffer Solution</b>       | Borate buffered saline   |
| <b>Preservative</b>          | None Present   |

## Stabilisers

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|                                |                            |
|--------------------------------|----------------------------|
| Approx. Protein Concentrations | Ig concentration 1.0 mg/ml |
|--------------------------------|----------------------------|

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## External Database Links

### UniProt:

|                        |                                  |
|------------------------|----------------------------------|
| <a href="#">P01867</a> | <a href="#">Related reagents</a> |
| <a href="#">P01865</a> | <a href="#">Related reagents</a> |
| <a href="#">P01863</a> | <a href="#">Related reagents</a> |
| <a href="#">P01864</a> | <a href="#">Related reagents</a> |
| <a href="#">P01868</a> | <a href="#">Related reagents</a> |
| <a href="#">P01869</a> | <a href="#">Related reagents</a> |
| <a href="#">P03987</a> | <a href="#">Related reagents</a> |

### Entrez Gene:

|                        |          |                                  |
|------------------------|----------|----------------------------------|
| <a href="#">16016</a>  | Ighg2b   | <a href="#">Related reagents</a> |
| <a href="#">380793</a> | Igh-1a   | <a href="#">Related reagents</a> |
| <a href="#">16017</a>  | Ighg1    | <a href="#">Related reagents</a> |
| <a href="#">16017</a>  | Ighg1    | <a href="#">Related reagents</a> |
| <a href="#">380793</a> | Igh-1a   | <a href="#">Related reagents</a> |
| <a href="#">380793</a> | Igh-1a   | <a href="#">Related reagents</a> |
| <a href="#">380795</a> | AI324046 | <a href="#">Related reagents</a> |

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|          |       |
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| Synonyms | Igh-4 |
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|      |           |
|------|-----------|
| RRID | AB_609693 |
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|             |  |
|-------------|--|
| Specificity | <b>Goat anti Mouse IgG antibody</b> recognizes mouse IgG, recognising the heavy chain of mouse IgG1, IgG2a, IgG2b and IgG3 as demonstrated by ELISA. |
|-------------|--|

Goat anti Mouse IgG antibody has been cross-adsorbed against mouse IgM, mouse IgA and human serum to reduce potential cross-reactivity.

## References

1. Joimel, U. *et al.* (2010) Stimulation of angiogenesis resulting from cooperation between macrophages and MDA-MB-231 breast cancer cells: proposed molecular mechanism and effect of tetrathiomolybdate. [BMC Cancer. 10: 375.](#)
2. Childs K *et al.* (2012) Paramyxovirus V proteins interact with the RNA Helicase LGP2 to inhibit RIG-I-dependent interferon induction. [J Virol. 86 \(7\): 3411-21.](#)
3. Moalli, F. *et al.* (2015) Intravital and whole-organ imaging reveals capture of melanoma-derived antigen by lymph node subcapsular macrophages leading to widespread deposition on follicular dendritic cells. [Front Immunol. 6: 114.](#)
4. Ramos-Sevillano, E. *et al.* (2016) PSGL-1 on Leukocytes is a Critical Component of the Host Immune Response against Invasive Pneumococcal Disease. [PLoS Pathog. 12 \(3\): e1005500.](#)
5. Abbate, F. *et al.* (2016) Acid-sensing ion channel immunoreactivities in the cephalic neuromasts of adult zebrafish. [Ann Anat. 207: 27-31.](#)

6. Shea, G.K. *et al.* (2020) Juxtacrine signalling via Notch and ErbB receptors in the switch to fate commitment of bone marrow-derived Schwann cells. [Eur J Neurosci. 52 \(5\): 3306-21.](#)

|                                      |  |
|--------------------------------------|--|
| <b>Storage</b>                       | Store at -20°C only.<br>Storage in frost-free freezers is not recommended.<br>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. |
| <b>Guarantee</b>                     | Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.   |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10123 available at: <a href="https://www.bio-rad-antibodies.com/SDS/10300110123">https://www.bio-rad-antibodies.com/SDS/10300110123</a>   |
| <b>Regulatory</b>                    | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a> | <b>Worldwide</b> | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a> | <b>Europe</b> | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a> |
|----------------------------------|---|------------------|---|---------------|---|

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)  
'M402080:220718'

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