

Datasheet: 103001F

**BATCH NUMBER 160336**

|                      |                          |
|----------------------|--------------------------|
| <b>Description:</b>  | GOAT ANTI MOUSE IgG:FITC |
| <b>Specificity:</b>  | IgG                      |
| <b>Format:</b>       | FITC                     |
| <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     | ▪   |    |                |                    |
| Immunofluorescence | ▪   |    |                |                    |

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>   | Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid   |                   |                     |                   |      |     |     |
| <b>Max Ex/Em</b>      | <table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>FITC</td> <td>490</td> <td>525</td> </tr> </tbody> </table> | Fluorophore       | Excitation Max (nm) | Emission Max (nm) | FITC | 490 | 525 |
| Fluorophore           | Excitation Max (nm)  | Emission Max (nm) |                     |                   |      |     |     |
| FITC                  | 490  | 525               |                     |                   |      |     |     |

**Antiserum Preparation** Antisera to mouse IgG were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography on pooled mouse IgG covalently linked to agarose.

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** <0.1% Sodium Azide (NaN<sub>3</sub>)

**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml

**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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**Synonyms** Igh-4

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**Specificity** **Goat anti Mouse IgG antibody** 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.

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**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.](#)

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**Storage**

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

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|--------------------------------------|--|
| <b>Guarantee</b>                     | Guaranteed until date of expiry. Please see product label.   |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at:<br><a href="https://www.bio-rad-antibodies.com/SDS/103001F">https://www.bio-rad-antibodies.com/SDS/103001F</a><br>10040 |
| <b>Regulatory</b>                    | For research purposes only   |

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|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
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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://www.bio-rad-antibodies.com/datasheets)  
'M387470:210629'

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