# Datasheet: 103004

## BATCH NUMBER 165468

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| **Description:** | GOAT ANTI MOUSE IgG:Alk. Phos. |
| **Specificity:** | IgG |
| **Format:** | Alk. Phos. |
| **Product Type:** | Polyclonal Antibody |
| **Isotype:** | Polyclonal IgG |
| **Quantity:** | 1 ml |

## 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 |
|---|---|---|---|---|
| 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.

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| **Target Species** | Mouse |
| **Product Form** | Purified IgG conjugated to Alkaline Phosphatase - liquid |
| **Preparation** | Purified IgG prepared by affinity chromatography |
| **Antiserum Preparation** | Antisera to mouse IgG were raised by repeated immunisations of goats with highly purified antigen. |
| **Buffer Solution** | TRIS buffered saline, 1mM MgCl2 |
| **Preservative Stabilisers** | <0.1% Sodium Azide ($NaN_3$)<br>50% Glycerol |

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| **External Database Links** | **UniProt:**<br>P01867 Related reagents<br>P01865 Related reagents<br>P01863 Related reagents<br>P01864 Related reagents<br>P01868 Related reagents<br>P01869 Related reagents<br>P03987 Related reagents<br><br>**Entrez Gene:**<br>16016 Ighg2b Related reagents<br>380793 Igh-1a Related reagents<br>16017 Ighg1 Related reagents<br>16017 Ighg1 Related reagents<br>380793 Igh-1a Related reagents<br>380793 Igh-1a Related reagents<br>380795 AI324046 Related reagents |
| **Synonyms** | Igh-4 |
| **RRID** | AB_609689 |
| **Specificity** | **Goat anti Mouse IgG antibody** recognizes mouse IgG, recognising the heavy chain of mouse IgG1, IgG2a, IgG2b and IgG3 as demonstrated by ELISA.<br><br>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.<br>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.<br>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.<br>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.<br>5. Abbate, F. *et al.* (2016) Acid-sensing ion channel immunoreactivities in the cephalic neuromasts of adult zebrafish. Ann Anat. 207: 27-31.<br>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.<br><br>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. |
| **Guarantee** | Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date. |
| **Health And Safety Information** | Material Safety Datasheet documentation #10322 available at:<br>https://www.bio-rad-antibodies.com/SDS/103004<br>10322 |
| **Regulatory** | For research purposes only |


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


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

'M402079:220718'

**Printed on 27 Sep 2024**

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