# Datasheet: 0300-0108P

| | |
|---|---|
| **Description:** | GOAT ANTI MOUSE IgG (H/L):HRP |
| **Specificity:** | IgG (H/L) |
| **Format:** | HRP |
| **Product Type:** | Polyclonal Antibody |
| **Isotype:** | Polyclonal IgG |
| **Quantity:** | 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.

| | Yes | No | Not Determined | Suggested Dilution |
|---|---|---|---|---|
| Flow Cytometry | | | ▪ | |
| Immunohistology - Frozen | ▪ | | | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | |
| 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.

| | |
|---|---|
| **Target Species** | Mouse |
| **Product Form** | Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid |
| **Antiserum Preparation** | Antisera to mouse IgG were raised by repeated immunisations of goats with highly purified antigen. Purified IgG prepared by affinity chromatography. |
| **Buffer Solution** | Phosphate buffered saline |
| **Preservative Stabilisers** | 0.0095% MIT |
| **Approx. Protein Concentrations** | IgG concentration 1.0mg/ml |

| | |
|---|---|
| **Immunogen** | Native murine immunoglobulin G |
| **External Database Links** | **UniProt:**<br>P01868 Related reagents<br>P01869 Related reagents<br>P03987 Related reagents<br>P01843 Related reagents<br>P01867 Related reagents<br>P01865 Related reagents<br>P01863 Related reagents<br>P01864 Related reagents<br>P01844 Related reagents<br>P01845 Related reagents<br>P01837 Related reagents<br><br>**Entrez Gene:**<br>16017 Ighg1 Related reagents<br>16017 Ighg1 Related reagents<br>16016 Ighg2b Related reagents<br>380793 Igh-1a Related reagents<br>380795 AI324046 Related reagents<br>433053 LOC433053 Related reagents<br>16071 Igk-C Related reagents<br>110786 Iglc2 Related reagents<br>110787 Iglc3 Related reagents<br>380793 Igh-1a Related reagents<br>380793 Igh-1a Related reagents |
| **Synonyms** | Igh-4 |
| **RRID** | AB_808614 |
| **Specificity** | **Goat anti Mouse IgG (H/L)** is a polyclonal antibody that recognizes mouse immunoglobulin G (IgG) heavy and light chains.<br>This antibody has been reported to work in the following applications: ELISA, Immunohistology – Frozen, and Western Blotting.<br>IgG is the predominant antibody class in mice and plays a central role in humoral immune responses by mediating antigen neutralization, opsonization, and activation of Fc receptor–dependent immune functions. |
| **References** | 1. Jonasson, S. *et al.* (2013) Inhalation exposure of nano-scaled titanium dioxide (TiO2) particles alters the inflammatory responses in asthmatic mice. Inhal Toxicol. 25: 179-91.<br>2. Nam, H.M. *et al.* (2013) Immune responses in mice vaccinated with virus-like particles composed of the GP5 and M proteins of porcine reproductive and respiratory syndrome virus. Arch Virol. 158 (6): 1275-85.<br>3. Gustafsson, Å *et al.* (2015) Differential cellular responses in healthy mice and in mice |

with established airway inflammation when exposed to hematite nanoparticles. Toxicol Appl Pharmacol. 288 (1): 1-11.
4. Moreno, J.H. *et al.* (2025) Compact polyethylenimine-complexed mRNA vaccines. Nat Nanotechnol. 20 (9): 1323-1331.

| | |
|---|---|
| **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** | 12 months from date of despatch |
| **Health And Safety Information** | Material Safety Datasheet documentation #20479 available at: https://www.bio-rad-antibodies.com/SDS/0300-0108P |
| **Regulatory** | For research purposes only |

## Related Products

### Recommended Useful Reagents

AbGUARD® HRP STABILIZER PLUS (BUF052A)
AbGUARD® HRP STABILIZER PLUS (BUF052B)
AbGUARD® HRP STABILIZER PLUS (BUF052C)
TMB CORE (BUF056A)
TMB CORE+ (BUF062A)
TMB SIGNAL+ (BUF054A)

**Product inquiries: 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
'M433154:240920'

**Printed on 07 May 2026**

© 2026 Bio-Rad Laboratories Inc | Legal | Imprint