

Datasheet: 0300-0108P

BATCH NUMBER 172246

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

External Database

Links

UniProt:

P01868	Related reagents
P01869	Related reagents
P03987	Related reagents
P01843	Related reagents
P01867	Related reagents
P01865	Related reagents
P01863	Related reagents
P01864	Related reagents
P01844	Related reagents
P01845	Related reagents
P01837	Related reagents

Entrez Gene:

16017	Ighg1	Related reagents
16017	Ighg1	Related reagents
16016	Ighg2b	Related reagents
380793	Igh-1a	Related reagents
380795	AI324046	Related reagents
433053	LOC433053	Related reagents
16071	Igk-C	Related reagents
110786	Iglc2	Related reagents
110787	Iglc3	Related reagents
380793	Igh-1a	Related reagents
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. This antibody has been reported to work in the following applications: ELISA, Immunohistology – Frozen, and Western Blotting. 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.](#)
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.](#)
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.

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

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