Datasheet: 5178-2504

BATCH NUMBER 172269

Description:	GOAT ANTI MOUSE IgG (H/L):HRP
Specificity:	IgG (H/L)
Format:	HRP
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	2 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
Immunohistology - Frozen	▪			1/500 - 1/2500
Immunohistology - Paraffin			▪	
ELISA	▪			1/40000 - 1/80000
Western Blotting	▪			1/2000 - 1/10000

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 the appropriate negative/positive controls.

Target Species

Mouse

Product Form

Purified IgG conjugated to Horseradish Peroxidase (HRP) - lyophilized

Reconstitution

Reconstitute with 1.0 ml distilled water
Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.

Preparation

Purified IgG was prepared from whole serum by immunoaffinity chromatography using Mouse IgG followed by solid phase adsorption to remove unwanted reactivities.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

1% Bovine Serum Albumin
0.01% Gentamicin sulphate

Approx. Protein Concentrations	2.0 mg/ml after reconstitution
Immunogen	Mouse IgG, whole molecule.
External Database Links	**UniProt:** P01864 Related reagents P01867 Related reagents P01865 Related reagents P01863 Related reagents P01868 Related reagents P01869 Related reagents P03987 Related reagents P01844 Related reagents P01843 Related reagents P01845 Related reagents P01837 Related reagents **Entrez Gene:** 380793 Igh-1a Related reagents 16016 Ighg2b Related reagents 16017 Ighg1 Related reagents 16017 Ighg1 Related reagents 380793 Igh-1a Related reagents 380793 Igh-1a Related reagents 16071 Igk-C Related reagents 110786 Iglc2 Related reagents 110787 Iglc3 Related reagents 380795 AI324046 Related reagents 433053 LOC433053 Related reagents
Synonyms	Igh-4
RRID	AB_619899
Specificity	**Goat anti Mouse IgG antibody** recognizes both the heavy and light chains of mouse IgG. In immunoelectrophoresis a single precipitin arc was observed against anti-peroxidase, anti-goat serum, mouse IgG and mouse serum.
References	1. Farr, A.G. & Nakane, P.K. (1981) Immunohistochemistry with enzyme labeled antibodies: a brief review. J. Immunol. Methods 47: 129-144. 2. Donner, K.M. *et al.* (2012) Generalized glucocorticoid resistance caused by a novel two-nucleotide deletion in the hormone-binding domain of the glucocorticoid receptor gene NR3C1. Eur J Endocrinol. 168: K9-K18. 3. Gogulamudi, V.R. *et al.* (2023) Heterozygosity for ADP-ribosylation factor 6 suppresses

the burden and severity of atherosclerosis. PLoS One. 18 (5): e0285253.
4. Kakhan, V.S. *et al* (2024) Combined irradiation by gamma-rays and carbon-12 nuclei caused hyperlocomotion and change in striatal metabolism of rats Life Sci Space Res. 24 Aug [Epub ahead of print]
5. Bury, L. *et al.* (2025) Dicer Neosynthesis Regulates Platelet Reactivity: A Mechanism Altered in Type 2 Diabetes. Circ Res. 137 (6): 882-98.
6. Lu, Y. *et al.* (2025) DDX6 interacts with DDX3X to repress translation in microRNA-mediated silencing. Nucleic Acids Res. 53 (17): gkaf868.
7. Patel, D. *et al.* (2025) Cancer cell type-specific derepression of transposable elements by inhibition of chromatin modifier enzymes. Commun Biol. 8 (1): 992.
8. Isei, M.O. *et al.* (2025) Tau phosphorylation suppresses oxidative stress-induced mitophagy via FKBP8 receptor modulation. PLoS One. 20 (1): e0307358.
9. Caillier, A. *et al.* (2024) T cells use focal adhesions to pull themselves through confined environments. J Cell Biol. 223 (10): e202310067.
10. Anschuetz, A. *et al.* (2026) The Icelandic Mutation in the Murine APP Gene, mAPP(A673T), on Amyloid-β Plaque Burden in the 5×FAD Alzheimer Model. J Integr Neurosci. 25 (1): 48581.
11. Jayaswamy, P.K. *et al.* (2026) Butyrate antagonizes Annexin A2-mediated tauopathy via Annexin A1 reciprocity in Alzheimer's disease. Food Chem Toxicol. 210: 115968.

Storage	This product is shipped at ambient temperature. Prior to reconstitution store at +4°C. After reconstitution it is recommended to 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 #10482 available at: https://www.bio-rad-antibodies.com/SDS/5178-2504
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
'M427980:240301'