Datasheet: STAR117

BATCH NUMBER 170282

Description:	GOAT ANTI MOUSE IgG (H/L) (MULTI SPECIES ADSORBED)
Specificity:	IgG (H/L)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.5 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	▪			1ug/ml - 10ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			

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.

Target Species	Mouse
Product Form	Purified IgG - 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	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN_3).

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.
Immunogen	Whole mouse IgG

External Database Links

UniProt:

P01837	Related reagents
P01869	Related reagents
P01867	Related reagents
P01864	Related reagents
P01843	Related reagents
P01865	Related reagents
P01844	Related reagents
P01868	Related reagents
P01724	Related reagents
P03987	Related reagents
P01863	Related reagents
P01845	Related reagents

Entrez Gene:

16071	Igk-C	Related reagents
16017	Ighg1	Related reagents
16016	Ighg2b	Related reagents
380793	Igh-1a	Related reagents
380793	Igh-1a	Related reagents
433053	LOC433053	Related reagents
16017	Ighg1	Related reagents
16142	Iglv1	Related reagents
110786	Iglc2	Related reagents
110787	Iglc3	Related reagents
380793	Igh-1a	Related reagents
380795	AI324046	Related reagents

Synonyms	Igh-4
RRID	AB_324488

Specificity

Goat anti Mouse IgG antibody recognizes mouse IgG and light chains common to other mouse immunoglobulin classes.

Goat anti Mouse IgG has been cross-adsorbed using human, bovine, porcine, equine, lapine and chicken immunoabsorbants to remove cross-reactive antibodies. Less than 0.1% cross reactivity was detected to human, bovine, porcine, equine, caprine, lapine and chicken IgG by immunoelectrophoresis and ELISA.

Goat anti Mouse IgG antibody is highly recommended for use as a secondary antibody with human and veterinary samples. Goat anti Mouse IgG antibody has been used successfully as a secondary detection reagent in combination with mouse clone CC327 for the detection of TNFα and mouse clone 8M6 for the detection of interleukin-8 in bovine respiritory syncitial virus infected, neonatal ovine lung tissue by immunohistochemistry (Redondo *et al.* 2013).

Flow Cytometry

Use 50 µl of the suggested working dilution to label 1x10^6 cells in 100µl

References

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3. Redondo, E. *et al.* (2014) Induction of interleukin-8 and interleukin-12 in neonatal ovine lung following experimental inoculation of bovine respiratory syncytial virus. J Comp Pathol. 150 (4): 434-48.
4. Askari, N. *et al.* (2015) Tetracycline-regulated expression of OLIG2 gene in human dental pulp stem cells lead to mouse sciatic nerve regeneration upon transplantation. Neuroscience. 305: 197-208.
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6. Singh, S.M. *et al.* (2016) Characterization of Immune Responses to an Inactivated Avian Influenza Virus Vaccine Adjuvanted with Nanoparticles Containing CpG ODN. Viral Immunol. 29 (5): 269-75.
7. Alimolaei, M. *et al.* (2017) A Recombinant Probiotic, *Lactobacillus casei*, Expressing the *Clostridium perfringens* α-toxoid, as an Orally Vaccine Candidate Against Gas Gangrene and Necrotic Enteritis. Probiotics Antimicrob Proteins. Apr 11 [Epub ahead of print].
8. Topoluk, N. *et al.* (2017) Amniotic Mesenchymal Stromal Cells Exhibit Preferential Osteogenic and Chondrogenic Differentiation and Enhanced Matrix Production Compared With Adipose Mesenchymal Stromal Cells. Am J Sports Med. 45 (11): 2637-46.
9. Schmidli, M.R. *et al.* (2018) Inflammatory pattern of the infrapatellar fat pad in dogs with canine cruciate ligament disease. BMC Vet Res. 14 (1): 161.
10. Li, T. *et al.* (2021) RNF167 activates mTORC1 and promotes tumorigenesis by targeting CASTOR1 for ubiquitination and degradation. Nat Commun. 12 (1): 1055.
11. Dicks, M.D.J. *et al.* (2022) Modular capsid decoration boosts adenovirus vaccine-induced humoral immunity against SARS-CoV-2. Mol Ther. 30 (12): 3639-57.
12. Soleimani, M. *et al.* (2022) Covalent JNK Inhibitor, JNK-IN-8, Suppresses Tumor Growth in Triple-Negative Breast Cancer by Activating TFEB- and TFE3-Mediated Lysosome Biogenesis and Autophagy. Mol Cancer Ther. 21 (10): 1547-60.
13. Deguchi, R. *et al.* (2024) Suppression of renal crystal formation, inflammation, and fibrosis by blocking oncostatin M receptor β signaling. Sci Rep. 14 (1): 28913.
14. Milstein, J.L. *et al.* (2025) Regulation of glial ApoE secretion by the mevalonate pathway is independent of ApoE isoform. J Alzheimers Dis. 104 (2): 473-87.

Storage

Store at +4°C. DO NOT FREEZE.

	This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/STAR117 10040
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) HRP

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Worldwide Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 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

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