Datasheet: STAR117A

BATCH NUMBER 152409

Description:	GOAT ANTI MOUSE IgG (H/L):Alk. Phos. (MULTI SPECIES ADSORBED)
Specificity:	IgG (H/L)
Format:	Alk. Phos.
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	▪			1/5000 - 1/50000
Immunoprecipitation			▪	
Western Blotting	▪			1/2500 - 1/25000

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 conjugated to Alkaline Phosphatase - liquid

Antiserum Preparation

Antisera to mouse IgG were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution

50 mM HEPES pH 7.1
0.1M NaCl
1mM $MgCl_2$
0.1mM $ZnCl_2$

Preservative Stabilisers

0.09% Sodium Azide

	0.2% Bovine Serum Albumin
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_324391
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).

References

1. Abdala-Valencia, H. *et al.* (2012) Vitamin E isoforms differentially regulate intercellular adhesion molecule-1 activation of PKCα in human microvascular endothelial cells. PLoS One. 7: e41054.
2. 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.
3. Banerjee, K. *et al.* (2012) Occluding the mannose moieties on human immunodeficiency virus type 1 gp120 with griffithsin improves the antibody responses to both proteins in mice. AIDS Res Hum Retroviruses. 28 (2): 206-14.
4. 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. Apr 14. [Epub ahead of print]
5. Iwaszko-Simonik, A. *et al.* (2015) Expression of surface platelet receptors (CD62P and CD41/61) in horses with recurrent airway obstruction (RAO). Vet Immunol Immunopathol. 164 (1-2): 87-92.
6. 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.
7. 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. : 363546517706138.
8. 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].
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 and cellular immunity against SARS-CoV-2 bioRxiv: Feb 22. [Epub ahead of print].

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 #10089 available at: https://www.bio-rad-antibodies.com/SDS/STAR117A 10089
Regulatory	For research purposes only

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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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