

Datasheet: STAR117D488GA

BATCH NUMBER 157958

Description:	GOAT ANTI MOUSE IgG (H/L):DyLight®488 (MULTI SPECIES ADSORBED)
Specificity:	IgG (H/L)
Format:	DyLight®488
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 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	▪			1/400 - 1/800
Immunofluorescence	▪			

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 DyLight®488 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	DyLight®488	493	518
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	IgG concentration 1.0mg/ml		

Concentrations

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_10851828

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 TNF α and mouse clone [8M6](#) for the detection of interleukin-8 in bovine respiratory syncytial virus infected, neonatal ovine lung tissue by immunohistochemistry ([Redondo et al. 2013](#)).

Flow Cytometry Use 50 ul of the suggested working dilution to label 1×10^6 cells in 100ul

- References**
1. Abdala-Valencia, H. *et al.* (2012) Vitamin E isoforms differentially regulate intercellular adhesion molecule-1 activation of PKC α 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.](#)

Storage Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use

Guarantee 12 months from date of despatch

Acknowledgements DyLight® is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/STAR117D488GA>
10040

Regulatory For research purposes only

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

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](https://www.bio-rad-antibodies.com/datasheets)

'M374422:201104'

Printed on 13 Aug 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)