

Datasheet: STAR117D550

Description:	GOAT ANTI MOUSE IgG (H/L):DyLight®550 (MULTI SPECIES ADSORBED)
Specificity:	IgG (H/L)
Format:	DyLight®550
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	▪			1/50 - 1/400
Western Blotting	▪			1/500 - 1/5000
Immunofluorescence	▪			1/50 - 1/400

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 DyLight 550 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	DyLight®550	562	576
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 1.0 mg/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

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 μ l of the suggested working dilution to label 1x10⁶ cells in 100 μ l

References

1. 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.](#)
2. 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.](#)
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.](#)

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.

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/STAR117D550>
10040

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

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