

Datasheet: STAR117D550

BATCH NUMBER 165987

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 Concentrations IgG concentration 1.0 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

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. 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.](#)
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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. \[Epub ahead of print\]](#)
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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.](#)
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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. \[Epub ahead of print\].](#)
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.
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Acknowledgements	DyLight is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/STAR117D550 10040
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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](https://www.bio-rad-antibodies.com/datasheets)
'M405042:220915'

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