

## Datasheet: STAR117D650

**BATCH NUMBER 170080**

<b>Description:</b>	GOAT ANTI MOUSE IgG (H/L):DyLight®650 (MULTI SPECIES ADSORBED)
<b>Specificity:</b>	IgG (H/L)
<b>Format:</b>	DyLight®650
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/500 - 1/1000
Immunofluorescence	▪			1/500 - 1/1000

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.

<b>Target Species</b>	Mouse		
<b>Product Form</b>	Purified IgG conjugated to DyLight 650 - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	DyLight®650	654	673
<b>Preparation</b>	Purified IgG prepared by affinity chromatography.		
<b>Antiserum Preparation</b>	Antisera to mouse IgG were raised by repeated immunisations of goats with highly purified antigen.		
<b>Buffer Solution</b>	Phosphate buffered saline.		
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ).		
<b>Approx. Protein</b>	IgG concentration 1.0 mg/ml.		

## Concentrations

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**Immunogen** Whole mouse IgG

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## 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](#)

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**Synonyms** Igh-4

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## 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 $\alpha$  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](#)).

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**Flow Cytometry**

Use 50  $\mu$ l of the suggested working dilution to label  $1 \times 10^6$  cells in 100  $\mu$ l.

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**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.](#)
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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.](#)
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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.](#)
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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 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  $\beta$  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. : 13872877251317732. \[Online ahead of print\].](#)

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**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.

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**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/STAR117D650>  
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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)

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