

## Datasheet: STAR117D650

<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.

#### Target Species

Mouse

#### Product Form

Purified IgG conjugated to DyLight®650 - liquid

#### Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
DyLight®650	654	673

#### 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<sub>3</sub>)

#### Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

## External Database

## Links

## UniProt:

<a href="#">P01837</a>	<a href="#">Related reagents</a>
<a href="#">P01869</a>	<a href="#">Related reagents</a>
<a href="#">P01867</a>	<a href="#">Related reagents</a>
<a href="#">P01864</a>	<a href="#">Related reagents</a>
<a href="#">P01843</a>	<a href="#">Related reagents</a>
<a href="#">P01865</a>	<a href="#">Related reagents</a>
<a href="#">P01844</a>	<a href="#">Related reagents</a>
<a href="#">P01868</a>	<a href="#">Related reagents</a>
<a href="#">P01724</a>	<a href="#">Related reagents</a>
<a href="#">P03987</a>	<a href="#">Related reagents</a>
<a href="#">P01863</a>	<a href="#">Related reagents</a>
<a href="#">P01845</a>	<a href="#">Related reagents</a>

## Entrez Gene:

<a href="#">16071</a>	Igk-C	<a href="#">Related reagents</a>
<a href="#">16017</a>	Ighg1	<a href="#">Related reagents</a>
<a href="#">16016</a>	Ighg2b	<a href="#">Related reagents</a>
<a href="#">380793</a>	Igh-1a	<a href="#">Related reagents</a>
<a href="#">380793</a>	Igh-1a	<a href="#">Related reagents</a>
<a href="#">433053</a>	LOC433053	<a href="#">Related reagents</a>
<a href="#">16017</a>	Ighg1	<a href="#">Related reagents</a>
<a href="#">16142</a>	Iglv1	<a href="#">Related reagents</a>
<a href="#">110786</a>	Iglc2	<a href="#">Related reagents</a>
<a href="#">110787</a>	Iglc3	<a href="#">Related reagents</a>
<a href="#">380793</a>	Igh-1a	<a href="#">Related reagents</a>
<a href="#">380795</a>	AI324046	<a href="#">Related reagents</a>

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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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<b>Flow Cytometry</b>	Use 50 ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul.
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<b>References</b>	<ol style="list-style-type: none"><li>1. Abdala-Valencia, H. <i>et al.</i> (2012) Vitamin E isoforms differentially regulate intercellular adhesion molecule-1 activation of PKC<math>\alpha</math> in human microvascular endothelial cells. <a href="#">PLoS One. 7: e41054</a>.</li><li>2. Redondo, E. <i>et al.</i> (2014) Induction of interleukin-8 and interleukin-12 in neonatal ovine lung following experimental inoculation of bovine respiratory syncytial virus. <a href="#">J Comp Pathol. 150 (4): 434-48</a>.</li><li>3. Banerjee, K. <i>et al.</i> (2012) Occluding the mannose moieties on human immunodeficiency virus type 1 gp120 with griffithsin improves the antibody responses to both proteins in mice. <a href="#">AIDS Res Hum Retroviruses. 28 (2): 206-14</a>.</li><li>4. Singh, S.M. <i>et al.</i> (2016) Characterization of Immune Responses to an Inactivated Avian Influenza Virus Vaccine Adjuvanted with Nanoparticles Containing CpG ODN. <a href="#">Viral Immunol. Apr 14. [Epub ahead of print]</a></li><li>5. Iwaszko-Simonik, A. <i>et al.</i> (2015) Expression of surface platelet receptors (CD62P and CD41/61) in horses with recurrent airway obstruction (RAO). <a href="#">Vet Immunol Immunopathol. 164 (1-2): 87-92</a>.</li><li>6. Askari, N. <i>et al.</i> (2015) Tetracycline-regulated expression of OLIG2 gene in human dental pulp stem cells lead to mouse sciatic nerve regeneration upon transplantation. <a href="#">Neuroscience. 305: 197-208</a>.</li><li>7. Topoluk, N. <i>et al.</i> (2017) Amniotic Mesenchymal Stromal Cells Exhibit Preferential Osteogenic and Chondrogenic Differentiation and Enhanced Matrix Production Compared With Adipose Mesenchymal Stromal Cells. <a href="#">Am J Sports Med. : 363546517706138</a>.</li><li>8. Alimolaei, M. <i>et al.</i> (2017) A Recombinant Probiotic, <i>Lactobacillus casei</i>, Expressing the <i>Clostridium perfringens</i> <math>\alpha</math>-toxoid, as an Orally Vaccine Candidate Against Gas Gangrene and Necrotic Enteritis. <a href="#">Probiotics Antimicrob Proteins. Apr 11 [Epub ahead of print]</a>.</li><li>9. Schmidli, M.R. <i>et al.</i> (2018) Inflammatory pattern of the infrapatellar fat pad in dogs with canine cruciate ligament disease. <a href="#">BMC Vet Res. 14 (1): 161</a>.</li><li>10. Li, T. <i>et al.</i> (2021) RNF167 activates mTORC1 and promotes tumorigenesis by targeting CASTOR1 for ubiquitination and degradation. <a href="#">Nat Commun. 12 (1): 1055</a>.</li></ol>
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<b>Storage</b>	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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<b>Guarantee</b>	12 months from date of despatch
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<b>Acknowledgements</b>	DyLight® is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
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<b>Regulatory</b>	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://bio-rad-antibodies.com/datasheets)  
'M390354:210908'

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