

## Datasheet: STAR117D680GA

<b>Description:</b>	GOAT ANTI MOUSE IgG (H/L):DyLight®680 (MULTI SPECIES ADSORBED)
<b>Specificity:</b>	IgG (H/L)
<b>Format:</b>	DyLight®680
<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
Western Blotting	▪			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®680 - liquid						
<b>Max Ex/Em</b>	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>DyLight®680</td> <td>692</td> <td>712</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	DyLight®680	692	712
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
DyLight®680	692	712					
<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 Concentrations</b>	IgG concentration 1.0 mg/ml						
<b>Immunogen</b>	Whole mouse IgG						
<b>External Database Links</b>	<b>UniProt:</b> <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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**Flow Cytometry**            Use 50 ul of the suggested working dilution to label 1x10<sup>6</sup> cells in 100ul

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**References**

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

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**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

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**Guarantee**

18 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:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**

For research purposes only

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