

## Datasheet: STAR117F

**BATCH NUMBER 153255**

<b>Description:</b>	GOAT ANTI MOUSE IgG (H/L):FITC (MULTI SPECIES ADSORBED)
<b>Specificity:</b>	IgG (H/L)
<b>Format:</b>	FITC
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.5 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	▪			1/50 - 1/200
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
Immunofluorescence			▪	

Where this antibody 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 antibody for use in their own system using the appropriate negative/positive controls.

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525

<b>Preparation</b>	Purified IgG prepared by affinity chromatography
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**Antiserum Preparation** Antisera to mouse IgG were raised by repeated immunisations of goats with highly purified antigen.

<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative</b>	0.09% Sodium Azide
<b>Stabilisers</b>	0.2% Bovine Serum Albumin

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml		
Immunogen	Whole mouse IgG		
External Database Links	<div>UniProt:</div> <div><div><a href="#">P01837</a></div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">P01869</a></div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">P01867</a></div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">P01864</a></div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">P01843</a></div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">P01865</a></div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">P01844</a></div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">P01868</a></div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">P01724</a></div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">P03987</a></div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">P01863</a></div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">P01845</a></div><div><a href="#">Related reagents</a></div></div> <div>Entrez Gene:</div> <div><div><a href="#">16071</a></div><div>Igk-C</div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">16017</a></div><div>Ighg1</div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">16016</a></div><div>Ighg2b</div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">380793</a></div><div>Igh-1a</div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">380793</a></div><div>Igh-1a</div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">433053</a></div><div>LOC433053</div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">16017</a></div><div>Ighg1</div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">16142</a></div><div>Iglv1</div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">110786</a></div><div>Iglc2</div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">110787</a></div><div>Iglc3</div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">380793</a></div><div>Igh-1a</div><div><a href="#">Related reagents</a></div></div> <div><div><a href="#">380795</a></div><div>AI324046</div><div><a href="#">Related reagents</a></div></div>		
Synonyms	Igh-4		
RRID	AB_324190		
Specificity	Goat anti Mouse IgG antibody recognizes mouse IgG and light chains common to other mouse immunoglobulin classes.		

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 1x10 <sup>6</sup> cells in 100ul
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<b>References</b>	<ol style="list-style-type: none"> <li>1. Abdala-Valencia, H. et al. (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. et al. (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. 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. <a href="#">AIDS Res Hum Retroviruses. 28 (2): 206-14.</a></li> <li>4. Singh, S.M. et al. (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. et al. (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. et al. (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. et al. (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. et al. (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. et al. (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. et al. (2021) RNF167 activates mTORC1 and promotes tumorigenesis by targeting CASTOR1 for ubiquitination and degradation. <a href="#">Nat Commun. 12 (1): 1055.</a></li> <li>11. Dicks, M.D.J. et al. (2022) Modular capsid decoration boosts adenovirus vaccine-induced humoral and cellular immunity against SARS-CoV-2 <a href="#">bioRxiv: Feb 22. [Epub ahead of print].</a></li> </ol>
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<b>Storage</b>	<p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light.</p> <p>Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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<b>Guarantee</b>	12 months from date of despatch
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**Health And Safety  
Information**

Material Safety Datasheet documentation #10041 available at:  
<https://www.bio-rad-antibodies.com/SDS/STAR117F10041>

**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)  
'M369638:200529'

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