

## Datasheet: STAR69

**BATCH NUMBER 159653**

<b>Description:</b>	GOAT F(ab') <sub>2</sub> ANTI RAT IgG:FITC (MOUSE ADSORBED)
<b>Specificity:</b>	IgG
<b>Format:</b>	FITC
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.5 ml

### 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	▪			1/25 - 1/100
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	

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 appropriate negative/positive controls.

<b>Target Species</b>	Rat						
<b>Product Form</b>	F(ab') <sub>2</sub> fragment of IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - 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>FITC</td> <td>490</td> <td>525</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	FITC	490	525
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FITC	490	525					

**Antiserum Preparation** Antisera to rat IgG were raised by repeated immunisation of goat with highly purified antigen. Purified IgG was prepared by affinity chromatography.

**Buffer Solution** Phosphate buffered saline

**Preservative** 0.09% Sodium Azide  
**Stabilisers** 0.5% Bovine Serum Albumin

**Approx. Protein Concentrations** F(ab')<sub>2</sub> concentration 0.7 mg/ml

<b>Immunogen</b>	Rat IgG.
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P20759</a>      <a href="#">Related reagents</a></p> <p><a href="#">P20761</a>      <a href="#">Related reagents</a></p> <p><a href="#">P20762</a>      <a href="#">Related reagents</a></p> <p><a href="#">P20760</a>      <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">299354</a> Ighg      <a href="#">Related reagents</a></p> <p><a href="#">362795</a> LOC362795      <a href="#">Related reagents</a></p> <p><a href="#">679045</a> LOC679045      <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_321934
<b>Specificity</b>	<b>FITC conjugated Goat (F(ab')<sub>2</sub> anti Rat IgG antibody</b> recognises rat IgG. Cross-reactivity with mouse IgG has been reduced by adsorption, however, we recommend dilution in buffer containing 10% (v/v) normal mouse serum for use upon mouse tissues.
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Fowles, L. <i>et al.</i> (2000) Regulation of urokinase plasminogen activator gene transcription in the RAW264 murine macrophage cell line by macrophage colony-stimulating factor (CSF-1) is dependent upon the level of cell surface receptor. <a href="#">Biochem. J. 347: 313 - 320.</a></li> <li>2. Modjtahedi, H. <i>et al.</i> (2012) Immunohistochemical discrimination of wild-type EGFR from EGFRvIII in fixed tumour specimens using anti-EGFR mAbs ICR9 and ICR10. <a href="#">Br J Cancer. 106: 883-888</a></li> <li>3. Haraoka, M. <i>et al.</i> (1999) Neutrophil recruitment and resistance to urinary tract infection. <a href="#">J Infect Dis. 180: 1220-9.</a></li> <li>4. Hang, L. <i>et al.</i> (2000) Interleukin-8 receptor knockout mice have subepithelial neutrophil entrapment and renal scarring following acute pyelonephritis. <a href="#">J Infect Dis. 182: 1738-48.</a></li> <li>5. Franke, H. <i>et al.</i> (2005) P2X(7) receptor-mRNA and -protein in the mouse retina; changes during retinal degeneration in BALBCrds mice. <a href="#">Neurochem Int. 47: 235-42.</a></li> <li>6. Parish, N.M. <i>et al.</i> (1999) Anti-CD44 treatment does not prevent the extravasation of autopathogenic T cells to the thyroid in experimental autoimmune thyroiditis. <a href="#">Immunology. 97: 533-9.</a></li> <li>7. Song, L. <i>et al.</i> (2011) Deletion of the murine scavenger receptor CD68. <a href="#">J Lipid Res. 52: 1542-50.</a></li> <li>8. Chapoval, S.P. <i>et al.</i> (2009) Lung vascular endothelial growth factor expression induces local myeloid dendritic cell activation. <a href="#">Clin Immunol. 132: 371-84.</a></li> <li>9. Englezou, P.C. <i>et al.</i> (2015) P2X7R activation drives distinct IL-1 responses in dendritic cells compared to macrophages. <a href="#">Cytokine. 74 (2): 293-304.</a></li> </ol>
<b>Storage</b>	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. This product is photosensitive and should be protected from light.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.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)  
'M385284:210513'

**Printed on 07 Feb 2023**

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