

## Datasheet: STAR69

<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

**RRID** AB\_321934

**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.

**Target Species** Rat

**Product Form** F(ab')<sub>2</sub> fragment of IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	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

**Immunogen** Rat IgG.

**External Database** UniProt:

<b>Links</b>	<a href="#">P20759</a>	<a href="#">Related reagents</a>
	<a href="#">P20761</a>	<a href="#">Related reagents</a>
	<a href="#">P20762</a>	<a href="#">Related reagents</a>
	<a href="#">P20760</a>	<a href="#">Related reagents</a>

**Entrez Gene:**

<a href="#">299354</a>	Ighg	<a href="#">Related reagents</a>
<a href="#">362795</a>	LOC362795	<a href="#">Related reagents</a>
<a href="#">679045</a>	LOC679045	<a href="#">Related reagents</a>

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**Specificity**      **FITC conjugated Goat (F(ab')<sub>2</sub> anti Rat IgG antibody** 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.

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**Flow Cytometry**      Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

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**References**

1. Fowles, L. *et al.* (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. [Biochem. J. 347: 313 - 320.](#)
2. Modjtahedi, H. *et al.* (2012) Immunohistochemical discrimination of wild-type EGFR from EGFRvIII in fixed tumour specimens using anti-EGFR mAbs ICR9 and ICR10. [Br J Cancer. 106: 883-888](#)
3. Haraoka, M. *et al.* (1999) Neutrophil recruitment and resistance to urinary tract infection. [J Infect Dis. 180: 1220-9.](#)
4. Hang, L. *et al.* (2000) Interleukin-8 receptor knockout mice have subepithelial neutrophil entrapment and renal scarring following acute pyelonephritis. [J Infect Dis. 182: 1738-48.](#)
5. Franke, H. *et al.* (2005) P2X(7) receptor-mRNA and -protein in the mouse retina; changes during retinal degeneration in BALBCrds mice. [Neurochem Int. 47: 235-42.](#)
6. Parish, N.M. *et al.* (1999) Anti-CD44 treatment does not prevent the extravasation of autopathogenic T cells to the thyroid in experimental autoimmune thyroiditis. [Immunology. 97: 533-9.](#)
7. Song, L. *et al.* (2011) Deletion of the murine scavenger receptor CD68. [J Lipid Res. 52: 1542-50.](#)
8. Chapoval, S.P. *et al.* (2009) Lung vascular endothelial growth factor expression induces local myeloid dendritic cell activation. [Clin Immunol. 132: 371-84.](#)
9. Englezou, P.C. *et al.* (2015) P2X7R activation drives distinct IL-1 responses in dendritic cells compared to macrophages. [Cytokine. 74 \(2\): 293-304.](#)

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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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**Health And Safety Information**      Material Safety Datasheet documentation #10041 available at: 10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

**Regulatory**For research purposes only

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