Datasheet: STAR69

BATCH NUMBER 149094

Description:	GOAT F(ab')2 ANTI RAT IgG:FITC (MOUSE ADSORBED)
Specificity:	IgG
Format:	FITC
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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')2 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 Stabilisers

0.09% Sodium Azide
0.5% Bovine Serum Albumin

Approx. Protein Concentrations

F(ab')2 concentration 0.7 mg/ml

Immunogen	Rat IgG.
External Database Links	**UniProt:** P20759 Related reagents P20761 Related reagents P20762 Related reagents P20760 Related reagents **Entrez Gene:** 299354 Ighg Related reagents 362795 LOC362795 Related reagents 679045 LOC679045 Related reagents
RRID	AB_321934
Specificity	**FITC conjugated Goat ($F(ab')_2$ 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.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.
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.
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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/STAR69 10041
Regulatory	For research purposes only

North & South America Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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