

Datasheet: STAR73

Description:	GOAT F(ab') ₂ ANTI RAT IgG:RPE (MOUSE ADSORBED)
Specificity:	IgG
Format:	RPE
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	■			1/5 - 1/10

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 R. Phycoerythrin (RPE) - lyophilised		
Reconstitution	Reconstitute with 0.5 ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578

Antiserum Preparation Antisera to rat IgG were raised by repeated immunisation of goats with highly purified antigen. Purified IgG prepared by affinity chromatography. F(ab')₂ fragments were prepared by pepsin digestion.

Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin

Immunogen	Whole rat IgG.
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External Database Links

UniProt:

P20759	Related reagents
P20760	Related reagents
P20761	Related reagents

Entrez Gene:

[299354](#) Ighg [Related reagents](#)
[679045](#) LOC679045 [Related reagents](#)
[362795](#) LOC362795 [Related reagents](#)

Specificity **Phycoerythrin conjugated Goat F(ab')₂ anti Rat IgG antibody** recognises rat IgG. The reagent has been adsorbed to minimise cross-reactivity with mouse immunoglobulins and is therefore of particular value in detecting rat primary antibodies bound to mouse tissues.

We recommend diluting Phycoerythrin conjugated Goat F(ab')₂ anti Rat IgG antibody in buffer containing 10% normal mouse serum to remove any remaining cross-reactivity.

Flow Cytometry Use 50ul of the suggested working dilution to label 10⁶ cells in 100ul.

References

1. Bellingan, G. *et al.* (2002) Adhesion molecule-dependent mechanisms regulate the rate of macrophage clearance during the resolution of peritoneal inflammation. [J. Exp. Med.](#) **196**:1515-1521.
2. Broderick, C.A. *et al.* (2005) Local Administration of an Adeno-associated Viral Vector Expressing IL-10 Reduces Monocyte Infiltration and Subsequent Photoreceptor Damage during Experimental Autoimmune Uveitis [Mol Ther.](#) **12**: 369-73.
3. Ko, Y.C. *et al.* (2009) Endothelial CD200 is heterogeneously distributed, regulated and involved in immune cell–endothelium interactions [J Anat.](#) **214**: 183-95.
4. Curran, C.S. *et al.* (2006) Lactoferrin activates macrophages via TLR4-dependent and -independent signaling pathways *Cell Immunol.* **242**: 23-30.
5. Guilloteau, L.A. *et al.* (2003) Nramp1 Is Not a Major Determinant in the Control of Brucella melitensis Infection in Mice [Infect Immun.](#) **71**: 621-8.
6. Maemura, K. *et al.* (2006) Antigen-presenting cells expressing glutamate decarboxylase 67 were identified as epithelial cells in glutamate decarboxylase 67-GFP knock-in mouse thymus. [Tissue Antigens.](#) **67**: 198-206.

Storage Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

This product should be stored undiluted.

DO NOT FREEZE. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 12 months from date of reconstitution.

Health And Safety Information Material Safety Datasheet documentation #10075 available at:
10075: <https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf>

Regulatory For research purposes only

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