

## Datasheet: STAR73

**BATCH NUMBER 1804**

<b>Description:</b>	GOAT F(ab') <sub>2</sub> ANTI RAT IgG:RPE (MOUSE ADSORBED)
<b>Specificity:</b>	IgG
<b>Format:</b>	RPE
<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	▪			1/5 - 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.

<b>Target Species</b>	Rat		
<b>Product Form</b>	F(ab') <sub>2</sub> fragment of IgG conjugated to R. Phycoerythrin (RPE) - lyophilised		
<b>Reconstitution</b>	Reconstitute with 0.5 ml distilled water		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	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')<sub>2</sub> fragments were prepared by pepsin digestion.

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers**

0.09%	Sodium Azide
1%	Bovine Serum Albumin
5%	Sucrose

Immunogen Whole rat IgG.

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**External Database**

**Links**

**UniProt:**

[P20759](#) [Related reagents](#)  
[P20760](#) [Related reagents](#)  
[P20761](#) [Related reagents](#)  
[P20762](#) [Related reagents](#)

**Entrez Gene:**

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

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**RRID**

AB\_321936

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**Specificity**

**Phycoerythrin conjugated Goat F(ab')<sub>2</sub> 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')<sub>2</sub> anti Rat IgG antibody in buffer containing 10% normal mouse serum to remove any remaining cross-reactivity.

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**Flow Cytometry**

Use 50ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

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**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.](#)
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**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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #20487 available at:  
<https://www.bio-rad-antibodies.com/SDS/STAR73>  
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**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)

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