

Datasheet: STAR73

BATCH NUMBER 165580

| | |
|----------------------|--|
| 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) - lyophilized | | |
| 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 Stabilisers

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

Immunogen Whole rat IgG.

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](#)

RRID AB_321936

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.](#)
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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.

Guarantee 12 months from date of despatch

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

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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