

## Datasheet: STAR76

|                      |  |
|----------------------|--|
| <b>Description:</b>  | GOAT ANTI MOUSE IgG:RPE (RAT ADSORBED) |
| <b>Specificity:</b>  | IgG                                    |
| <b>Format:</b>       | RPE                                    |
| <b>Product Type:</b> | Polyclonal Antibody                    |
| <b>Isotype:</b>      | Polyclonal IgG                         |
| <b>Quantity:</b>     | 1 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                |

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> | Mouse   |                   |                     |                   |                 |     |     |
|-----------------------|---|-------------------|---------------------|-------------------|-----------------|-----|-----|
| <b>Product Form</b>   | Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized   |                   |                     |                   |                 |     |     |
| <b>Reconstitution</b> | Reconstitute with 1.0ml distilled water   |                   |                     |                   |                 |     |     |
| <b>Max Ex/Em</b>      | <table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE 488nm laser</td> <td>496</td> <td>578</td> </tr> </tbody> </table> | Fluorophore       | Excitation Max (nm) | Emission Max (nm) | RPE 488nm laser | 496 | 578 |
| Fluorophore           | Excitation Max (nm)   | Emission Max (nm) |                     |                   |                 |     |     |
| RPE 488nm laser       | 496   | 578               |                     |                   |                 |     |     |

**Antiserum Preparation** Antisera to mouse IgG were raised by repeated immunisation of goats with highly purified antigen. Purified IgG prepared by affinity chromatography.

|                        |                            |
|------------------------|----------------------------|
| <b>Buffer Solution</b> | Phosphate buffered saline  |
| <b>Preservative</b>    | 0.09% Sodium Azide         |
| <b>Stabilisers</b>     | 1% Bovine Serum Albumin    |
| <b>Immunogen</b>       | Mouse IgG, whole molecule. |

### External Database Links

|                        |                                  |
|------------------------|----------------------------------|
| <b>UniProt:</b>        |                                  |
| <a href="#">P01869</a> | <a href="#">Related reagents</a> |
| <a href="#">P01865</a> | <a href="#">Related reagents</a> |
| <a href="#">P01867</a> | <a href="#">Related reagents</a> |
| <a href="#">P01868</a> | <a href="#">Related reagents</a> |

[P03987](#) [Related reagents](#)

[P01864](#) [Related reagents](#)

[P01863](#) [Related reagents](#)

**Entrez Gene:**

[16017](#) Ighg1 [Related reagents](#)

[380793](#) Igh-1a [Related reagents](#)

[16016](#) Ighg2b [Related reagents](#)

[16017](#) Ighg1 [Related reagents](#)

[380793](#) Igh-1a [Related reagents](#)

[380795](#) AI324046 [Related reagents](#)

[380793](#) Igh-1a [Related reagents](#)

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**Synonyms**

Igh-4

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**Specificity**

**RPE conjugated Goat anti Mouse IgG antibody** recognizes both the heavy and light chains of mouse IgG. The reagent has been adsorbed to minimise cross-reactivity with rat immunoglobulins and is therefore of particular value in detecting mouse primary antibodies bound to rat tissues.

We recommend diluting this product in buffer containing 10% normal rat 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. Rao, W. *et al.* (2000) Potent costimulation of effector T lymphocytes by human collagen type I. [J. Immunol. 165: 4935 - 4940.](#)
2. Rópolo, A. *et al.* (2001) Diminished percentage of antigen bearing cells in the lymph nodes of immune aged rats. [Exp Gerontol. 36: 519-35.](#)

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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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**Shelf Life**

18 months from date of reconstitution.

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**Health And Safety Information**

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

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**Regulatory**

For research purposes only

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