

## Datasheet: STAR132PE

|                      |                          |
|----------------------|--------------------------|
| <b>Description:</b>  | GOAT ANTI MOUSE IgG1:RPE |
| <b>Specificity:</b>  | IgG1                     |
| <b>Format:</b>       | RPE                      |
| <b>Product Type:</b> | Polyclonal Antibody      |
| <b>Isotype:</b>      | Polyclonal IgG           |
| <b>Quantity:</b>     | 0.1 mg                   |

## 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 | ■   |    |                | 1/500              |

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>Species Cross Reactivity</b> | Does not react with:Human                                  |                            |                          |
| <b>Product Form</b>             | Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid |                            |                          |
| <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 mouse IgG1 were raised by repeated immunisation of goats with purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

|                                       |                               |
|---------------------------------------|-------------------------------|
| <b>Buffer Solution</b>                | Phosphate buffered saline     |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide<br>Sucrose |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.5mg/ml    |
| <b>Immunogen</b>                      | Mouse IgG1 paraproteins.      |
| <b>External Database Links</b>        | <b>UniProt:</b>               |

[P01869](#) [Related reagents](#)

[P01868](#) [Related reagents](#)

**Entrez Gene:**

[16017](#) IgH1 [Related reagents](#)

[16017](#) IgH1 [Related reagents](#)

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>                      | Igh-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Specificity</b>                   | <b>Goat anti Mouse IgG1 antibody</b> recognizes Mouse IgG1. This antibody has been cross absorbed against mouse IgM, IgG2a, IgG2b, IgG3 and IgA, pooled human sera and purified human paraproteins. Goat anti Mouse IgG1 antibody shows minimal cross-reactivity with human immunoglobulins.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Flow Cytometry</b>                | Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>References</b>                    | <ol style="list-style-type: none"><li>1. Croft, N.P. <i>et al.</i> (2009) Stage-specific inhibition of MHC class I presentation by the Epstein-Barr virus BNLF2a protein during virus lytic cycle. <a href="#">PLoS Pathog. 5(6): e1000490.</a></li><li>2. Zuo, J. <i>et al.</i> (2011) The Epstein-Barr virus-encoded BILF1 protein modulates immune recognition of endogenously processed antigen by targeting MHC class I molecules trafficking on both the exocytic and endocytic pathways. <a href="#">J Virol. 85: 1604-14.</a></li><li>3. Knipping, K. <i>et al.</i> (2011) A gastrointestinal rotavirus infection mouse model for immune modulation studies. <a href="#">Virol J. 8: 109.</a></li><li>4. Young, D. <i>et al.</i> (2012) Soy-derived di- and tripeptides alleviate colon and ileum inflammation in pigs with dextran sodium sulfate-induced colitis. <a href="#">J Nutr. 142 (2): 363-8.</a></li><li>5. Bagai, U. and Pawar, A. (2013) A blood stage fraction of <i>Plasmodium berghei</i> induces protective and long lasting immune response in BALB/c mice. <a href="#">Parasitol Int. 62: 329-36.</a></li><li>6. Anda, S. <i>et al.</i> (2014) Cell-cycle analyses using thymidine analogues in fission yeast. <a href="#">PLoS One. 9 (2): e88629.</a></li><li>7. Kamat, M.M. <i>et al.</i> (2016) Changes in Myeloid Lineage Cells in the Uterus and Peripheral Blood of Dairy Heifers During Early Pregnancy. <a href="#">Biol Reprod. Aug 10. pii: biolreprod.116.141069. [Epub ahead of print]</a></li><li>8. Ramanathan, R. <i>et al.</i> (2015) Transplantation of human stem cell-derived hepatocytes in an animal model of acute liver failure. <a href="#">Surgery. 158 (2): 349-59.</a></li><li>9. Hwang, S.R. <i>et al.</i> (2015) Altered expression levels of neurodevelopmental proteins in fetal brains of BTBR T+tf/J mice with autism-like behavioral characteristics. <a href="#">J Toxicol Environ Health A. 78 (8): 516-23.</a></li><li>10. Zhao, Z. <i>et al.</i> (2015) Multiple B-cell epitope vaccine induces a Staphylococcus enterotoxin B-specific IgG1 protective response against MRSA infection. <a href="#">Sci Rep. 5: 12371.</a></li></ol> |
| <b>Storage</b>                       | <p>Store at +4°C.</p> <p>DO NOT FREEZE</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Shelf Life</b>                    | 6 months from date of despatch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10045 available at:<br>10045: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

**North & South  
America**

Tel: +1 800 265 7376  
Fax: +1 919 878 3751  
Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto:antibody_sales_de@bio-rad.com)

'M314536:180412'

**Printed on 01 May 2018**