

## Datasheet: STAR135A

**BATCH NUMBER 160155**

|                      |                                  |
|----------------------|----------------------------------|
| <b>Description:</b>  | GOAT ANTI MOUSE IgG2c:Alk. Phos. |
| <b>Specificity:</b>  | IgG2c                            |
| <b>Other names:</b>  | Igh-1b ALLELE                    |
| <b>Format:</b>       | Alk. Phos.                       |
| <b>Product Type:</b> | Polyclonal Antibody              |
| <b>Isotype:</b>      | Polyclonal IgG                   |
| <b>Quantity:</b>     | 0.5 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             |     |    | ▪              |                    |
| Immunohistology - Frozen   |     |    | ▪              |                    |
| Immunohistology - Paraffin |     |    | ▪              |                    |
| ELISA                      | ▪   |    |                | 1/1000 - 1/10000   |
| Immunoprecipitation        |     |    | ▪              |                    |
| Western Blotting           |     |    | ▪              |                    |

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 Alkaline Phosphatase - liquid   |
| <b>Preparation</b>              | Purified IgG prepared by affinity chromatography   |
| <b>Antiserum Preparation</b>    | Antisera to mouse IgG2c were raised by repeated immunisations of goats with highly purified antigen. |
| <b>Buffer Solution</b>          | 50mM HEPES, 0.1M NaCl, 1mM MgCl <sub>2</sub> , 0.1mM ZnCl <sub>2</sub>                               |
| <b>Preservative Stabilisers</b> | 0.09% Sodium Azide   |

0.2% Bovine Serum Albumin

|                                       |   |
|---------------------------------------|---|
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.5 mg/ml   |
| <b>Immunogen</b>                      | Native mouse IgG2c.   |
| <b>RRID</b>                           | AB_1102666  |
| <b>Specificity</b>                    | <b>Goat anti Mouse IgG2c antibody</b> recognizes mouse IgG2c, otherwise known as the Igh 1b allele of IgG2a. Goat anti Mouse IgG2c antibody is assessed by ELISA and immunoelectrophoresis and has been shown to react with IgG2c in C57BL/6, SJL, C57BL/10, CB20, C57BL/6 by Balb/C crosses and pools of serum of outbred mice and does not react with L-chains or other IgG subclasses.   |
| <b>References</b>                     | <ol style="list-style-type: none"><li>1. Jalili, R.B. <i>et al.</i> (2010) Local Expression of Indoleamine 2,3 Dioxygenase in Syngeneic Fibroblasts Significantly Prolongs Survival of an Engineered Three-Dimensional Islet Allograft. <a href="#">Diabetes 59: 2219-27</a></li><li>2. Arnold, I.C. <i>et al.</i> (2011) The C-terminally encoded, MHC class II-restricted T cell antigenicity of the <i>Helicobacter pylori</i> virulence factor CagA promotes gastric preneoplasia. <a href="#">J Immunol. 186: 6165-72.</a></li><li>3. Paes, W. <i>et al.</i> (2016) Recombinant polymorphic membrane protein D in combination with a novel, second-generation lipid adjuvant protects against intra-vaginal Chlamydia trachomatis infection in mice. <a href="#">Vaccine. 34 (35): 4123-31.</a></li><li>4. Carroll, E.C. <i>et al.</i> (2016) The Vaccine Adjuvant Chitosan Promotes Cellular Immunity via DNA Sensor cGAS-STING-Dependent Induction of Type I Interferons. <a href="#">Immunity. 44 (3): 597-608.</a></li><li>5. Zougari, Y. <i>et al.</i> (2013) B lymphocytes trigger monocyte mobilization and impair heart function after acute myocardial infarction. <a href="#">Nat Med. 19 (10): 1273-80.</a></li><li>6. Müller-Winkler, J. <i>et al.</i> (2021) Critical requirement for BCR, BAFF, and BAFFR in memory B cell survival. <a href="#">J Exp Med. 218 (2) [Epub ahead of print].</a></li><li>7. McEntee, C.P. <i>et al.</i> (2020) Type I IFN signalling is required for cationic adjuvant formulation (CAF)01-induced cellular immunity and mucosal priming. <a href="#">Vaccine. 38 (3): 635-43.</a></li></ol> |
| <b>Storage</b>                        | Store at +4°C.<br>DO NOT FREEZE.<br>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.   |
| <b>Guarantee</b>                      | 12 months from date of despatch   |
| <b>Health And Safety Information</b>  | Material Safety Datasheet documentation #10089 available at: <a href="https://www.bio-rad-antibodies.com/SDS/STAR135A10089">https://www.bio-rad-antibodies.com/SDS/STAR135A10089</a>  |
| <b>Regulatory</b>                     | For research purposes only  |

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batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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