

## Datasheet: STAR135F

<b>Description:</b>	GOAT ANTI MOUSE IgG2c:FITC
<b>Specificity:</b>	IgG2c
<b>Other names:</b>	Igh-1b ALLELE
<b>Format:</b>	FITC
<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			▪	

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 the appropriate negative/positive controls.

<b>Target Species</b>	Mouse						
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid						
<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>FITC</td> <td>490</td> <td>525</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	FITC	490	525
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
FITC	490	525					
<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>	Phosphate buffered saline.						
<b>Preservative</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )						
<b>Stabilisers</b>	0.2% Bovine Serum Albumin						

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml.
<b>Immunogen</b>	Native mouse IgG2c.
<b>RRID</b>	AB_1102667
<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>Flow Cytometry</b>	Use 10µl of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100µl.
<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>	<p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
<b>Regulatory</b>	For research purposes only.

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**Printed on 15 Sep 2022**

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