

Datasheet: STAR135F

Description:	GOAT ANTI MOUSE IgG2c:FITC
Specificity:	IgG2c
Other names:	Igh-1b ALLELE
Format:	FITC
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Mouse		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by affinity chromatography		
Antiserum Preparation	Antisera to mouse IgG2c were raised by repeated immunisations of goats with highly purified antigen.		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide		
	0.2% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 1.0mg/ml		
Immunogen	Native mouse IgG2c.		

Specificity **Goat anti Mouse IgG2c antibody** 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.

Flow Cytometry Use 10 ul of the suggested working dilution to label 1×10^6 cells in 100ul.

- References**
1. Jalili, R.B. *et al.* (2010) Local Expression of Indoleamine 2,3 Dioxygenase in Syngeneic Fibroblasts Significantly Prolongs Survival of an Engineered Three-Dimensional Islet Allograft. [Diabetes 59: 2219-27](#)
 2. Arnold, I.C. *et al.* (2011) The C-terminally encoded, MHC class II-restricted T cell antigenicity of the *Helicobacter pylori* virulence factor CagA promotes gastric preneoplasia. [J Immunol. 186: 6165-72.](#)
 3. Paes, W. *et al.* (2016) Recombinant polymorphic membrane protein D in combination with a novel, second-generation lipid adjuvant protects against intra-vaginal Chlamydia trachomatis infection in mice. [Vaccine. 34 \(35\): 4123-31.](#)
 4. Carroll, E.C. *et al.* (2016) The Vaccine Adjuvant Chitosan Promotes Cellular Immunity via DNA Sensor cGAS-STING-Dependent Induction of Type I Interferons. [Immunity. 44 \(3\): 597-608.](#)
 5. Zouggar, Y. *et al.* (2013) B lymphocytes trigger monocyte mobilization and impair heart function after acute myocardial infarction. [Nat Med. 19 \(10\): 1273-80.](#)

Storage Store at +4°C or at -20°C if preferred.
This product should be stored undiluted.
Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody.
Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory For research purposes only

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