

Datasheet: STAR137F

Description:	GOAT ANTI MOUSE IgA:FITC
Specificity:	IgA
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	▪			Neat - 1/10
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
Immunofluorescence	▪			Neat - 1/10

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.

Target Species	Mouse						
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid						
Max Ex/Em	<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
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FITC	490	525					

Antiserum Preparation Antisera to mouse IgA were raised by repeated immunisation of goats with purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative Stabilisers <0.1% Sodium Azide (NaN₃)

Approx. Protein Concentrations IgG concentration 0.5mg/ml

Immunogen	Mouse IgA paraproteins.
External Database Links	<p>UniProt: P01878 Related reagents</p> <p>Entrez Gene: 16061 Igh-VJ558 Related reagents</p>
RRID	AB_2075636
Specificity	Goat anti Mouse IgA antibody recognizes Mouse IgA and has been cross absorbed against mouse IgM, IgG1, IgG2a, IgG2b and IgG3.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 1. Capoccia, B.J. <i>et al.</i> (2011) Transcription factor MIST1 in terminal differentiation of mouse and human plasma cells. Physiol Genomics. 43 (3): 174-86. 2. Yamashita, H. <i>et al.</i> (2012) Overcoming food allergy through acquired tolerance conferred by transfer of Tregs in a murine model. Allergy. 67: 201-9. 3. Won, Y.S. <i>et al.</i> (2017) Green tea cultivar 'Benifuuki' potentiates split vaccine-induced immunoglobulin A production. J Nat Med. 71 (1): 68-75. 4. Ramstead, A.G. <i>et al.</i> (2016) Roles of Toll-Like Receptor 2 (TLR2), TLR4, and MyD88 during Pulmonary <i>Coxiella burnetii</i> Infection. Infect Immun. 84 (4): 940-9. 5. Sessevmez, M. <i>et al.</i> (2023) Induction of humoral and cell-mediated immunity in mice by chitosan-curdlan composite nanoparticles administered intranasally and subcutaneously J Drug Deliv Sci Technol. 86: 104704. 6. Zhang, S. <i>et al.</i> (2023) Select symbionts drive high IgA levels in the mouse intestine. Cell Host Microbe. 31 (10): 1620-1638.e7. 7. Amaral, R. <i>et al.</i> (2025) Chitosan Nanoparticles for Enhanced Immune Response and Delivery of Multi-Epitope <i>Helicobacter pylori</i> Vaccines in a BALB/c Mouse Model. Pharmaceutics. 17 (1): 132.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/STAR137F 10040
Regulatory	For research purposes only

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To
find a

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

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