

Datasheet: MCA1210A700

Description:	MOUSE IgG2a NEGATIVE CONTROL:Alexa Fluor® 700
Specificity:	MOUSE IgG2a NEGATIVE CONTROL
Format:	ALEXA FLUOR® 700
Product Type:	Negative/Isotype Control
Isotype:	IgG2a
Quantity:	100 TESTS/1ml

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	■			*

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. *It is recommended that the user dilutes the antibody to a concentration equivalent to their test reagent.

Target Species	Negative Control		
Product Form	Purified IgG conjugated to Alexa Fluor® 700 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Alexa Fluor®700	702	723
Preparation	Purified IgG prepared by ion exchange chromatography		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.05 mg/ml		
Immunogen	Human T lymphocytes.		
RRID	AB_844575		
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.		
Specificity	Mouse IgG2a Negative Control is suitable for use as a matched isotype negative control reagent to assess the level of non-specific binding of mouse IgG2a monoclonal antibodies to rat cells. This		

antibody has been tested and found to be negative on the following rat cells – peripheral blood leucocytes, thymocytes, splenocytes and macrophages.

Mouse IgG2a Negative Control (**MCA1210**) recognizes the human CD45 antigen and therefore human leucocytes may be used as a positive control for this product.

THIS PRODUCT IS NOT SUITABLE FOR USE AS A NEGATIVE CONTROL ON HUMAN TISSUES.

Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
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References	1. Fijak, M. <i>et al.</i> (2015) Influence of Testosterone on Inflammatory Response in Testicular Cells and Expression of Transcription Factor Foxp3 in T Cells. Am J Reprod Immunol. 74 (1): 12-25.
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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.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL:Alexa Fluor® 700 \(MCA929A700\)](#)

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'M364909:200529'

Printed on 11 Aug 2020

