

Datasheet: MCA1210

BATCH NUMBER 174202

Description:	MOUSE IgG2a NEGATIVE CONTROL
Specificity:	MOUSE IgG2a NEGATIVE CONTROL
Format:	Purified
Product Type:	Negative/Isotype Control
Isotype:	IgG2a
Quantity:	100 TESTS

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			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting			■	

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species	Negative Control
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% sodium azide (NaN ₃) 1% bovine serum albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml

Immunogen	Human T lymphocytes.
RRID	AB_322512
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the NSI 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 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl.
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. 2. Midavaine, É. <i>et al.</i> (2024) Discovery of a CCR2-targeting pepducin therapy for chronic pain. Pharmacol Res. : 107242.
Storage	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. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA1210
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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