Datasheet: MCA929APC

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

Product Details

RRID AB_322306

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. Suggested working dilutions are given as a guide only. *It is recommended that the user titrates the antibody for use in their own systemto a concentration equivalent to their test reagents.

Target Species Negative Control

Product Form Purified IgG conjugated to Allophycocyanin (APC) - lyophilised

Reconstitution

Reconstitute with 1.0 ml distilled water
Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
APC	650	661

Preparation Purified IgG prepared by affinity chromatography from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide
1.0% Bovine Serum Albumin
5% Sucrose

Immunogen Activated rat T-helper cells.

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.

Specificity	**Mouse IgG2a negative control antibody, clone OX-34** is suitable for use as a negative control reagent for the measurement of non-specific binding of mouse monoclonal antibodies of isotype IgG2a to human tissue. Clone MRC OX-34 recognises a rat cell surface marker, and therefore cannot be used as a negative control in this species. This product is routinely tested in flow cytometry on rat splenocytes to confirm antibody activity and on human whole blood to test for suitability as a negative control. Test results have shown that MCA929 is also suitable for use as a negative control with bovine, ovine, porcine, equine, canine, lapine and guinea-pig tissues. This antibody may not be suitable for intracellular staining on some cell types.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 100ul
References	1. Avigdor, A. *et al.* (2004) CD44 and hyaluronic acid cooperate with SDF-1 in the trafficking of human CD34+ stem/progenitor cells to bone marrow. Blood. 103 (8): 2981-9. 2. Kamble, N.M. *et al.* (2016) Interaction of a live attenuated *Salmonella gallinarum* vaccine candidate with chicken bone marrow-derived dendritic cells. Avian Pathol. Jan 26:1-24. [Epub ahead of print] 3. Wattegedera, S.R. *et al.* (2017) Enhancing the toolbox to study IL-17A in cattle and sheep. Vet Res. 48 (1): 20.
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	6 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10075 available at: 10075: https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf
Regulatory	For research purposes only

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