Datasheet: MCA6004PE

BATCH NUMBER 154034

Description:	RAT IgG1 NEGATIVE CONTROL:RPE
Specificity:	RAT IgG1 NEGATIVE CONTROL
Format:	RPE
Product Type:	Negative/Isotype Control
Isotype:	IgG1
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	▪			*

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. *This antibody should be used at the same concentration as the test antibody.

Target Species

Negative Control

Product Form

Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

Reconstitution

Reconstitute with 1.0 ml distilled water

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
RPE 488nm laser	496	578

Preparation

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)
1% Bovine Serum Albumin
5% Sucrose

Immunogen

Horseradish peroxidase

Specificity	**Rat IgG1 negative control**, a rat monoclonal raised against horseradish peroxidase, is recommended for use as a negative control to assess the level of non-specific binding of rat IgG1 test antibodies to the surface of human and mouse cells in flow cytometry. Test results have shown that this antibody is also suitable for use as a negative control with porcine and canine cells.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 100ul
References	1. do Prado Duzanski, A. *et al.* (2022) Cell-mediated immunity and expression of MHC class I and class II molecules in dogs naturally infected by canine transmissible venereal tumor: Is there complete spontaneous regression outside the experimental CTVT? Research in Veterinary Science. 145: 193-204.
Storage	Prior to reconstitution store at +4°C. After reconstitution 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	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/MCA6004PE 20487
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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