

Datasheet: MCA6006PE

Description:	RAT IgG2b NEGATIVE CONTROL:RPE
Specificity:	RAT IgG2b NEGATIVE CONTROL
Format:	RPE
Product Type:	Negative/Isotype Control
Isotype:	IgG2b
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 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
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Buffer Solution	Phosphate buffered saline
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Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 5% Sucrose
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Immunogen	KLH
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Specificity	Rat IgG2b negative control , a rat monoclonal raised against KLH, is recommended for
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use as a negative control to assess the level of non-specific binding of rat IgG2b 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 1×10^6 cells in 100ul
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References	<ol style="list-style-type: none">1. Stavre, Z. <i>et al.</i> (2022) A role for neutrophils in early enthesitis in spondyloarthritis. Arthritis Res Ther. 24 (1): 24.2. Andrews, S.L. <i>et al.</i> (2023) SVEP1 influences monocyte to macrophage differentiation via integrin $\alpha 4\beta 1/\alpha 9\beta 1$ and Rho/Rac signalling. Biochim Biophys Acta Mol Cell Res. 1870 (6): 119479.3. Rogato, F. <i>et al.</i> (2024) Leukemia cutis as a prominent clinical sign in a dog with acute myeloid leukemia. Vet Clin Pathol. 53 (4): 448-57.
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Storage	<p>This product is shipped at ambient temperature.</p> <p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution store at +4°C.</p> <p>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.</p>
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/MCA6006PE 20487
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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
"M441081:250523"

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