

Datasheet: MCA6005PECY7

BATCH NUMBER INN0615

Description:	RAT IgG2a NEGATIVE CONTROL:RPE-Cy7
Specificity:	RAT IgG2a NEGATIVE CONTROL
Format:	RPE-CY7
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. *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)-Cy7 - lyophilised		
Reconstitution	Reconstitute with 1.0 ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE-Cy7 488nm laser	496	695
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	1% Bovine Serum Albumin 5% Sucrose		
Immunogen	Trinitrophenol		

Specificity **Rat IgG2a negative control**, a rat monoclonal raised against trinitrophenol, is recommended for use as a negative control to assess the level of non-specific binding of rat IgG2a 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

References 1. Barraud-Lange, V. *et al.* (2020) Partial Sperm beta1 Integrin Subunit Deletion Proves its Involvement in Mouse Gamete Adhesion/Fusion. [Int J Mol Sci. 21 \(22\)Nov 11 \[Epub ahead of print\]](#).

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.

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/MCA6005PECY7> 20487

Regulatory For research purposes only

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'M375625:210104'

Printed on 18 Jan 2024

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