

## Datasheet: MCA6005B

<b>Description:</b>	RAT IgG2a NEGATIVE CONTROL:Biotin
<b>Specificity:</b>	RAT IgG2a NEGATIVE CONTROL
<b>Format:</b>	Biotin
<b>Product Type:</b>	Negative/Isotype Control
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.1 mg

## Product Details

<b>Applications</b>	<p>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 <a href="http://www.bio-rad-antibodies.com/protocols">www.bio-rad-antibodies.com/protocols</a>.</p> <table> <tr> <th></th><th>Yes</th><th>No</th><th>Not Determined</th><th>Suggested Dilution</th></tr> <tr> <td>Flow Cytometry</td><td>■</td><td></td><td></td><td>*</td></tr> </table> <p>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.</p>					Yes	No	Not Determined	Suggested Dilution	Flow Cytometry	■			*
	Yes	No	Not Determined	Suggested Dilution										
Flow Cytometry	■			*										
<b>Target Species</b>	Negative Control													
<b>Product Form</b>	Purified IgG conjugated to Biotin - liquid													
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant													
<b>Buffer Solution</b>	Phosphate buffered saline													
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin													
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml													
<b>Immunogen</b>	Trinitrophenol													
<b>Specificity</b>	<p><b>Rat IgG2a negative control</b>, 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.</p>													

Test results have shown that this antibody is also suitable for use as a negative control with porcine and canine cells.

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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul.
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<b>References</b>	<p>1. Barraud-Lange, V. <i>et al.</i> (2020) Partial Sperm beta1 Integrin Subunit Deletion Proves its Involvement in Mouse Gamete Adhesion/Fusion. <a href="#">Int J Mol Sci. 21 (22)Nov 11 [Epub ahead of print]</a>.</p> <p>2. do Prado Duzanski, A. <i>et al.</i> (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? <a href="#">Research in Veterinary Science. 145: 193-204.</a></p> <p>3. Karayannopoulou, M. <i>et al.</i> (2022) Effect of major versus minor mastectomy on host immunity in canine mammary cancer <a href="#">Vet Immunol Immunopathol. Feb 24: 110403.</a></p> <p>4. Matralis, D.T. <i>et al.</i> (2023) Intracellular IFN-γ and IL-4 levels of CD4 + and CD8 + T cells in the peripheral blood of naturally infected (<i>Leishmania infantum</i>) symptomatic dogs before and following a 4-week treatment with miltefosine and allopurinol: a double-blinded, controlled and cross-sectional study. <a href="#">Acta Vet Scand. 65 (1): 2.</a></p>
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<b>Storage</b>	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6005B">https://www.bio-rad-antibodies.com/SDS/MCA6005B</a> 10041
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<b>Regulatory</b>	For research purposes only
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<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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](https://www.bio-rad-antibodies.com/datasheets)  
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