

Datasheet: MCA691B

BATCH NUMBER 166459

Description:	MOUSE IgG2b NEGATIVE CONTROL:Biotin
Specificity:	MOUSE IgG2b NEGATIVE CONTROL
Format:	Biotin
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. Suggested working dilutions are given as a guide only.

Target Species	Negative Control
Product Form	Purified IgG conjugated to Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
RRID	AB_322529

Specificity **Mouse IgG2b Negative Control** is negative on all human cells and cell lines tested. This antibody recognises a rat cell surface marker, and therefore cannot be used as a negative

control in this species.

Test results show that MCA691C is also suitable for use as a negative control with bovine, ovine, porcine, canine and guinea-pig tissues.

Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul. *It is suggested that the user adjusts the concentration of this reagent to be the same as the test reagent.
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References	<ol style="list-style-type: none">1. Shoham, T. <i>et al.</i> (2001) Reduced expression of activin A in focal lymphoid agglomerates within nasal polyps. J Histochem Cytochem. 49 (10): 1245-52.2. Zheng, X. <i>et al.</i> (2002) Interleukin-3, but not granulocyte-macrophage colony-stimulating factor and interleukin-5, inhibits apoptosis of human basophils through phosphatidylinositol 3-kinase: requirement of NF-kappaB-dependent and -independent pathways. Immunology. 107 (3): 306-15.3. Grant, A.J. <i>et al.</i> (2002) Hepatic expression of secondary lymphoid chemokine (CCL21) promotes the development of portal-associated lymphoid tissue in chronic inflammatory liver disease. Am J Pathol. 160 (4): 1445-55.4. Dalli, J. <i>et al.</i> (2008) Annexin 1 mediates the rapid anti-inflammatory effects of neutrophil-derived microparticles. Blood. 112 (6): 2512-9.5. Kapetanovic, R. <i>et al.</i> (2012) Pig bone marrow-derived macrophages resemble human macrophages in their response to bacterial lipopolysaccharide. J Immunol. 188: 3382-94.6. Lawrence, J. <i>et al.</i> (2024) Porcine Monocyte DNA Traps Formed during Infection with Pathogenic <i>Clostridioides difficile</i> Strains Pathogens. 13 (3): 228.
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Storage	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. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA691B 10041
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Regulatory	For research purposes only
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