

## Datasheet: MCA691C

**BATCH NUMBER 146730**

<b>Description:</b>	MOUSE IgG2b NEGATIVE CONTROL:RPE-Cy5
<b>Specificity:</b>	MOUSE IgG2b NEGATIVE CONTROL
<b>Format:</b>	RPE-CY5
<b>Product Type:</b>	Negative/Isotype Control
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			*

Where this product 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. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Negative Control		
<b>Product Form</b>	Purified IgG conjugated to R Phycoerythrin (RPE) Cy5 - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	RPE-Cy5 488nm laser	496	667

**Preparation** Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

**Buffer Solution** Phosphate buffered saline.

**Preservative** 0.09% Sodium Azide  
**Stabilisers** 0.2% Bovine Serum Albumin

**RRID** AB\_322680

**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.

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**Flow Cytometry** Use 5ul of the suggested working dilution to label  $10^6$  cells or 100ul whole peripheral blood.

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**References**

1. Shoham, T. *et al.* (2001) Reduced expression of activin A in focal lymphoid agglomerates within nasal polyps. [J Histochem Cytochem. 49 \(10\): 1245-52.](#)
2. Zheng, X. *et al.* (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. *et al.* (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. *et al.* (2008) Annexin 1 mediates the rapid anti-inflammatory effects of neutrophil-derived microparticles. [Blood. 112 \(6\): 2512-9.](#)
5. Kapetanovic, R. *et al.* (2012) Pig bone marrow-derived macrophages resemble human macrophages in their response to bacterial lipopolysaccharide. [J Immunol. 188: 3382-94.](#)
6. Lawrence, J. *et al.* (2024) Porcine Monocyte DNA Traps Formed during Infection with Pathogenic *Clostridioides difficile* Strains [Pathogens. 13 \(3\): 228.](#)

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**Storage** 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.

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**Guarantee** Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

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**Acknowledgements** Cy® and CyDye® are registered trademarks of GE Healthcare

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**Health And Safety Information** Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA691C>  
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**Regulatory** For research purposes only

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