

## Datasheet: MCA691B

|                      |                                     |
|----------------------|-------------------------------------|
| <b>Description:</b>  | MOUSE IgG2b NEGATIVE CONTROL:Biotin |
| <b>Specificity:</b>  | MOUSE IgG2b NEGATIVE CONTROL        |
| <b>Format:</b>       | Biotin                              |
| <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 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.

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|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 A from tissue culture supernatant                                                                                                                                                                                                                                                                             |
| <b>Buffer Solution</b>                    | Phosphate buffered saline                                                                                                                                                                                                                                                                                                                                                 |
| <b>Preservative<br/>Stabilisers</b>       | 0.09% Sodium Azide<br>1% Bovine Serum Albumin                                                                                                                                                                                                                                                                                                                             |
| <b>Approx. Protein<br/>Concentrations</b> | IgG concentration 0.1 mg/ml                                                                                                                                                                                                                                                                                                                                               |
| <b>Specificity</b>                        | <p><b>Mouse IgG2b Negative Control</b> 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.</p> <p>Test results show that MCA691C is also suitable for use as a negative control with bovine, ovine, porcine, canine and guinea-pig tissues.</p> |
| <b>Flow Cytometry</b>                     | <p>Use 10ul of the suggested working dilution to label <math>10^6</math> cells in 100ul.</p> <p>*It is suggested that the user adjusts the concentration of this reagent to be the same as the test reagent.</p>                                                                                                                                                          |
| <b>References</b>                         | 1. 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.](#)
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. 107:306-315.](#)
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4. Kapetanovic, R. *et al.* (2012) Pig bone marrow-derived macrophages resemble human macrophages in their response to bacterial lipopolysaccharide. [J Immunol. 188: 3382-94.](#)
5. Shoham, T. *et al.* (2001) Reduced expression of activin A in focal lymphoid agglomerates within nasal polyps. [J Histochem Cytochem. 49 \(10\): 1245-52.](#)

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| <b>Storage</b>                       | Store at +4°C or at -20°C if preferred.<br><br>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. |
| <b>Shelf Life</b>                    | 18 months from date of despatch.                                                                                                                                                                                                                      |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10041 available at:<br>10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>                                              |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                            |

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