

# Datasheet: MCA691APC

**BATCH NUMBER 155155**

<b>Description:</b>	MOUSE IgG2b NEGATIVE CONTROL:APC
<b>Specificity:</b>	MOUSE IgG2b NEGATIVE CONTROL
<b>Format:</b>	APC
<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. \*This antibody should be used at the same concentration as the test antibody.

Target Species	Negative Control								
Product Form	Purified IgG conjugated to Allophycocyanin (APC) - lyophilized								
Reconstitution	Reconstitute with 1.0 ml distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.								
Max Ex/Em	<table><tr><th>Fluorophore</th><th>Excitation Max (nm)</th><th>Emission Max (nm)</th></tr><tr><td>APC</td><td>650</td><td>661</td></tr></table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	APC	650	661		
Fluorophore	Excitation Max (nm)	Emission Max (nm)							
APC	650	661							
Preparation	Purified IgG prepared by ion exchange chromatography from tissue culture supernatant								
Buffer Solution	Phosphate buffered saline								
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin 5% Sucrose								

**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<sup>6</sup> cells or cells or 100ul whole blood

**References**

1. 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.](#)
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. Dalli, J. *et al.* (2008) Annexin 1 mediates the rapid anti-inflammatory effects of neutrophil-derived microparticles. [Blood. 112 \(6\): 2512-9.](#)
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.](#)

**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.

**Guarantee** 6 months from date of despatch

**Health And Safety Information** Material Safety Datasheet documentation #20487 available at: <https://www.bio-rad-antibodies.com/SDS/MCA691APC> 20487

**Regulatory** For research purposes only

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