

Datasheet: MCA691PE

Description:	MOUSE IgG2b NEGATIVE CONTROL:RPE
Specificity:	MOUSE IgG2b NEGATIVE CONTROL
Format:	RPE
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
	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 R. Phycoerythrin (RPE) - lyophilized			
Reconstitution	Reconstitute with 1 ml distilled water			
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)	
	RPE 488nm laser	496	578	
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		
	5%	Sucrose		
RRID	AB_322277			

Specificity	<p>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.</p> <p>Mouse IgG2b Negative Control is also suitable for use as a negative control with bovine, ovine, porcine, canine and guinea-pig tissues.</p>
Flow Cytometry	<p>Use 10ul of the suggested working dilution to label 10^6 cells or 100ul whole blood</p> <p>* It is recommended that the user dilutes the antibody for use in their own system to a concentration equivalent to their test antibody.</p>
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. 7. Maciag, S. <i>et al.</i> (2022) Effects of freezing storage on the stability of maternal cellular and humoral immune components in porcine colostrum. Vet Immunol Immunopathol. 254: 110520. 8. Forner, R. <i>et al.</i> (2021) Distribution difference of colostrum-derived B and T cells subsets in gilts and sows. PLoS One. 16 (5): e0249366.
Storage	<p>This product is shipped at ambient temperature.</p> <p>Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.</p> <p>This product should be stored undiluted.</p> <p>DO NOT FREEZE. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/MCA691PE</p> <p>20487</p>
Regulatory	For research purposes only

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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