Datasheet: MCA691F

BATCH NUMBER 162836

Description:	MOUSE IgG2b NEGATIVE CONTROL:FITC
Specificity:	MOUSE IgG2b NEGATIVE CONTROL
Format:	FITC
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	▪			Neat - 1/10

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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
FITC	490	525

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_322276

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. Mouse IgG2b Negative Control 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 reagents.
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. 7. Maciag, S. *et al.* (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. *et al.* (2021) Distribution difference of colostrum-derived B and T cells subsets in gilts and sows. PLoS One. 16 (5): e0249366.
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. This product is photosensitive and should be protected from light.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA691F 10041
Regulatory	For research purposes only

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

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