

Datasheet: MCA1773F

Description:	MOUSE ANTI RAT CD61:FITC
Specificity:	CD61
Other names:	INTEGRIN BETA 3 CHAIN
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	F11
Isotype:	IgG1
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

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.

Target Species

Rat

Species Cross Reactivity

Reacts weakly with:Human

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

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

Antibody purified from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.09% sodium azide (NaN ₃) 1% bovine serum albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	Bone cell suspension from SD rats.
RRID	AB_323354
Fusion Partners	Spleen cells from immunized Balb/c mice were fused with the cells of the mouse X63-Ag8 myeloma cell line.
Specificity	<p>Mouse anti Rat CD61 antibody, clone F11 recognizes the rat CD61 cell surface antigen, also known as the integrin b3 chain.</p> <p>CD61 is expressed by platelets, megakaryocytes and osteoclasts. Clone F11 has been shown to inhibit the <i>in vitro</i> attachment of osteoclasts to various proteins including vitronectin, fibrinogen and von Willebrand Factor (Sick et al. 2009).</p>
Flow Cytometry	Use 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl
References	<ol style="list-style-type: none"> 1. Helfrich, M.H. <i>et al.</i> (1992) Integrins on rat osteoclasts: characterization of two monoclonal antibodies (F4 and F11) to rat beta 3. J Bone Miner Res. 7 (3): 345-51. 2. Shankar, G. <i>et al.</i> (1993) Integrin receptor-mediated mobilisation of intranuclear calcium in rat osteoclasts. J Cell Sci. 105 (Pt 1): 61-8. 3. Sick, E. <i>et al.</i> (2009) Activation of CD47 receptors causes histamine secretion from mast cells. Cell Mol Life Sci. 66: 1271-82. 4. Wang, Z. <i>et al.</i> (2016) Microparticle levels after arterial injury and NO therapy in diabetes. J Surg Res. 200 (2): 722-31.
Storage	<p>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.</p> <p>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.</p>
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/MCA1773F10041
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA1209F)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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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