

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

RRID AB_323354

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 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. It is recommended that the user titrates the antibody 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.

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

Buffer Solution Phosphate buffered saline

Preservative 0.09% Sodium Azide
Stabilisers 1% Bovine Serum Albumin

Approx. Protein Concentrations IgG concentration 0.1 mg/ml

Immunogen Bone cell suspension from SD rats.

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 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
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> (2015) Microparticle levels after arterial injury and NO therapy in diabetes. J Surg Res. pii: S0022-4804(15)00867-7
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA1209F\)](#)

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