

Datasheet: MCA1773

Description:	MOUSE ANTI RAT CD61
Specificity:	CD61
Other names:	INTEGRIN BETA 3 CHAIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	F11
Isotype:	IgG1
Quantity:	0.25 mg

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	■			1/50 - 1/100
Immunohistology - Frozen	■			
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation	■			
Western Blotting			■	

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 - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 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	Mouse anti Rat CD61 antibody, clone F11 recognizes the rat CD61 cell surface antigen, also known as the integrin b3 chain. 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).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	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	Store at +4°C for one month or at -20°C for longer. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA1209)

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Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

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Email: antibody_sales_uk@bio-rad.com

Europe

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