

Datasheet: MCA6001

Description:	RAT ANTI MOUSE CD32B
Specificity:	CD32B
Other names:	FcR2B
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AT130-5R
Isotype:	IgG2b
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
Immunohistology - Frozen	■			1/200

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	Mouse
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Mouse CD32-Rat CD4 fusion protein
External Database Links	<p>UniProt: P08101 Related reagents</p> <p>Entrez Gene: 14130 Fcgr2b Related reagents</p>

Synonyms	Fcgr2b, Ly-17
Fusion Partners	Spleen cells from immunised rats were fused with cells of the NS-1 myeloma cell line
Specificity	<p>Rat anti Mouse CD32B antibody, clone AT130-5R recognizes mouse CD32B also known as FcRIIB. CD32B (FcRIIB) is a low affinity receptor for IgG1, IgG2a and IgG2b type antibodies. Unlike other FcRs, the intracellular domain of CD32 contains a inhibitory signaling motif (ITIM) that can antagonize signal transduction mediated through other activatory receptors. FcRIIB is expressed on all myeloid populations and on B-cells.</p> <p>Rat anti Mouse CD32B antibody, clone AT130-5R is a rat IgG2b antibody derived from the parental AT130-5 mouse clone previously described. The binding characteristics of the clone are described in the original publication (Williams et al. 2012).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul
References	1. Williams, E.L. <i>et al.</i> (2012) Development and characterisation of monoclonal antibodies specific for the murine inhibitory FcγRIIB (CD32B). Eur J Immunol. 42 (8): 2109-20.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	18 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10057 available at: 10057: https://www.bio-rad-antibodies.com/uploads/MSDS/10057.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Goat Anti Rat IgG (STAR72...)	HRP
Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®649 , DyLight®800

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