

ARG23572 anti-CD32B antibody [AT130-5] (FITC)

Package: 100 µg
Store at: 4°C

Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [AT130-5] recognizes CD32B. Mouse anti Mouse CD32B, clone AT130-5, 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 CD32B contains an inhibitory signalling motif (ITIM) that can antagonize signal transduction mediated through other activatory receptors. FcRIIB is expressed on all myeloid populations and on B-cells.
Tested Reactivity	Ms
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	AT130-5
Isotype	IgG1
Target Name	CD32B
Species	Mouse
Immunogen	Mouse CD32-Rat CD4 fusion protein.
Conjugation	FITC
Alternate Names	Fc-gamma-RIIc; Fc-gamma RII-c; CD32; CD antigen CD32; CD32B; IgG Fc receptor II-c; Low affinity immunoglobulin gamma Fc region receptor II-c; FCG2; IGFR2; FcRII-c; FCGR2; CDw32

Application Instructions

Application table	Application	Dilution
	FACS	Neat - 1:10
Application Note	<p>FACS: Use 10 µl of the suggested working dilution to label 10⁶ cells in 100 µl. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>	

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.09% Sodium azide and 1% BSA.
Preservative	0.09% Sodium azide
Stabilizer	1% BSA
Concentration	0.1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid

repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FCGR2B
Gene Full Name	Fc fragment of IgG, low affinity IIb, receptor (CD32)
Background	The protein encoded by this gene is a low affinity receptor for the Fc region of immunoglobulin gamma complexes. The encoded protein is involved in the phagocytosis of immune complexes and in the regulation of antibody production by B-cells. Variations in this gene may increase susceptibility to systemic lupus erythematosus (SLE). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]
Function	Receptor for the Fc region of complexed immunoglobulins gamma. Low affinity receptor. Involved in a variety of effector and regulatory functions such as phagocytosis of immune complexes and modulation of antibody production by B-cells. [UniProt]
Calculated Mw	36 kDa
PTM	Phosphorylated by the SRC-type Tyr-kinases LYN and BLK. [UniProt]