

ARG23573 anti-CD32B antibody [AT130-5R]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rat Monoclonal antibody [AT130-5R] recognizes CD32B. Rat anti Mouse CD32B, 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 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	IHC-Fr
Host	Rat
Clonality	Monoclonal
Clone	AT130-5R
Isotype	IgG2b
Target Name	CD32B
Species	Mouse
Immunogen	Mouse CD32-Rat CD4 fusion protein.
Conjugation	Un-conjugated
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	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>IHC-Fr</td><td>1:200</td></tr></tbody></table>	Application	Dilution	IHC-Fr	1:200
Application	Dilution				
IHC-Fr	1:200				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				

Properties

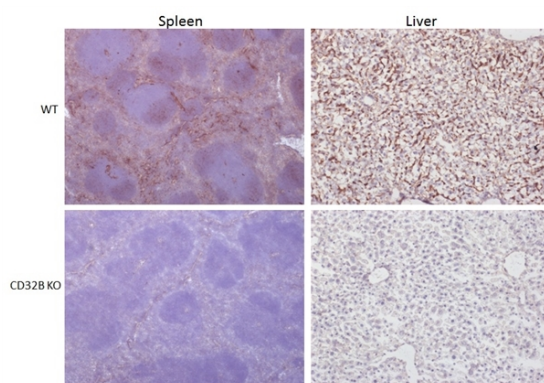
Form	Liquid
Purification	Purification with Protein G.
Buffer	TRIS buffered saline and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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]

Images



ARG23573 anti-CD32B antibody [AT130-5R] IHC-Fr image

Immunohistochemistry: Acetone-fixed frozen sections of BALB/c WT and CD32B ^{-/-} Mouse spleen and liver (10 μm) stained with ARG23573 anti-CD32B antibody [AT130-5R] at 5 μg/ml followed by an anti-Rat IgG HRP polymer and counterstained with Haematoxylin.