

## 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
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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.

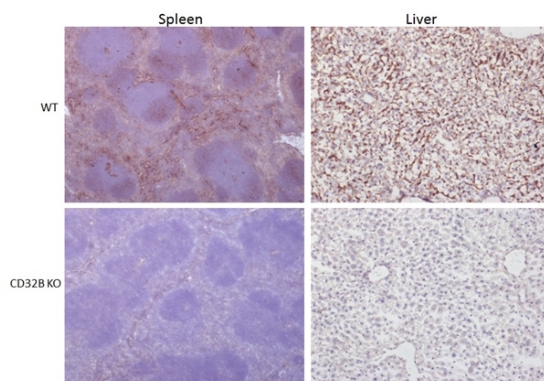
Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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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 <sup>-/-</sup> 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.