

Product Datasheet

Anti-CD32 [AT130-5] (orb758762)

Catalog Number	orb758762
Category	Antibodies
Description	Mouse monoclonal antibody to CD32b
Target	CD32
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	Unconjugated
Reactivity	Mouse
Concentration	1 mg/ml
Buffer/Preservatives	PBS with 0.02% Proclin 300.
Purity	Purified
Immunogen	The original antibody was generated by immunizing BALB/c FcγRIIB ^{-/-} mice with FcγRIIB-rat CD4 domain 3/4 fusion protein.
UniProt ID	P08101
Tested applications	Blocking, FC, IF, IHC, WB

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Specificity

This antibody is specific for murine CD32, an Fc gamma surface receptor protein with a low affinity for IgG antibodies that expresses on B cells, monocytes/macrophages, NK cells, granulocytes, mast cells, and dendritic cells. CD32 binds antibody-antigen immune complexes and mediates adaptive immune responses.

Clone Number

AT130-5

Storage

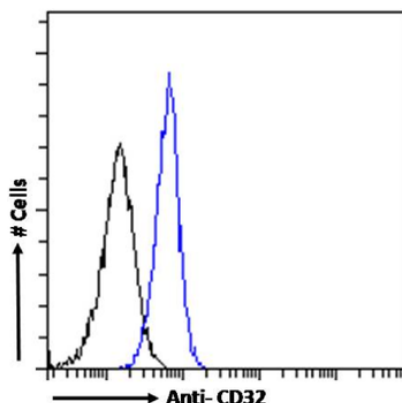
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

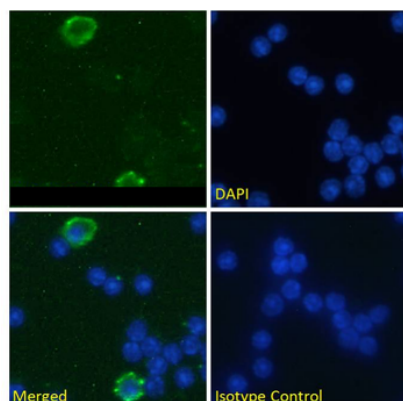
For research use only

Expiration Date

12 months from date of receipt.



Flow cytometry using the anti-CD32 antibody AT130-5. RAW264.7 cells were fixed using 2% PFA and stained with anti-unknown specificity antibody (orb256458; isotype control, black line) or the rabbit IgG1 version of AT130-5 (orb758763, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Immunofluorescence staining of fixed mouse splenocytes with anti-CD32 antibody AT130-5. Immunofluorescence analysis of paraformaldehyde fixed mouse (*Mus musculus*) splenocytes on Shi-fix™ coverslips, permeabilized with 0.15% Triton stained with the chimeric rabbit version of AT130-5 (orb758763) at 10 µg/ml for 1h followed by Alexa Fluor® 488 secondary antibody (1 µg/ml), showing membrane staining in a subset of cells. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom orb758763, DAPI, merged channels and an isotype control. The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor® 488 secondary antibody.

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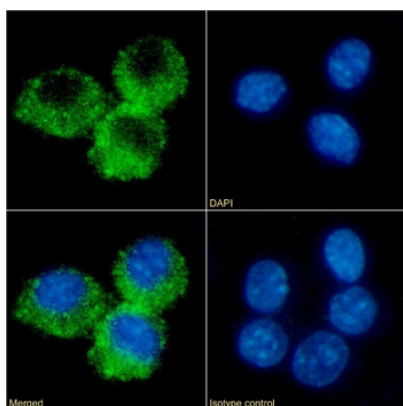
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Immunofluorescence staining of fixed RAW264.7 cells with anti-CD32 antibody AT130-5. Immunofluorescence analysis of paraformaldehyde fixed RAW264.7 cells on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of AT130-5 (orb758763) at 10 µg/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 µg/ml), showing membrane staining. The nuclear stain is DAPI (blue).

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