

Alexa Fluor[®] 647 anti-mouse CD32 (Fcgr2) Antibody

Catalog# / Size	156413 / 25 µg 156414 / 100 µg
Clone	S17012B
Regulatory Status	RUO
Other Names	Fcr-2, Fcr-3, Ly-17, LyM-1, Lym-1, fcRII, FcgRII
Isotype	Rat IgG2b, κ
Description	CD32 (Fcgr2) is a 40 kD transmembrane glycoprotein, member of the immunoglobulin superfamily. The extracellular region of CD32 consists of two Ig C-type domains that binds the Fc region from monomeric IgG with low affinity, but binds immune complexes efficiently. CD32 can mediate phagocytosis of immune complexes and modulate cell activation. CD32 is expressed by Macrophages, neutrophils, mast cells and B cells.

Product Details

Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Mouse CD32 transfected cells
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor [®] 647 under optimal conditions.
Concentration	0.5 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application. * Alexa Fluor [®] 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm. Alexa Fluor [®] and Pacific Blue™ are trademarks of Life Technologies Corporation. View full statement regarding label licenses
Excitation Laser	Red Laser (633 nm)
RRID	AB_2894421 (BioLegend Cat. No. 156413) AB_2894421 (BioLegend Cat. No. 156414)

Antigen Details

Structure	40 kD transmembrane glycoprotein, member of the immunoglobulin superfamily; extracellular region consists of two Ig C-type domains.
Distribution	Macrophages, neutrophils, mast cells and B cells.
Function	Mediates phagocytosis of immune complexes, modulates cell activation.

Ligand/Receptor	Binds Fc from monomeric IgG with low affinity, binds immune complexes efficiently.
Cell Type	B cells, Macrophages, Mast cells, Neutrophils
Biology Area	Immunology
Molecular Family	CD Molecules, Fc Receptors
Antigen References	<ol style="list-style-type: none"> 1. Negishi-Koga T, <i>et al.</i> 2015. <i>Nat Commun.</i> 6:6637 2. Yamada DH, <i>et al.</i> 2015. <i>Immunity.</i> 42:379 3. Clatworthy MR, <i>et al.</i> 2014. <i>Nat Med.</i> 20:1458 4. Li F and Ravetch JV. 2011. <i>Science.</i> 333:1030 5. Xiang Z, <i>et al.</i> 2007. <i>Nat Immunol.</i> 8:419
Gene ID	14130

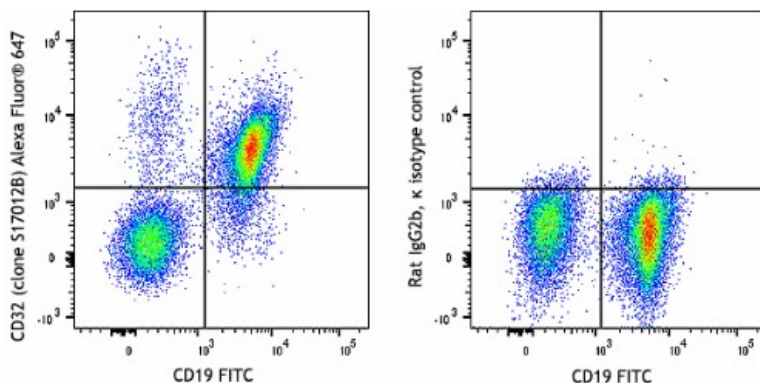
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-mouse CD32 (Fcgr2), PE anti-mouse CD32 (Fcgr2), APC anti-mouse CD32 (Fcgr2), FITC anti-mouse CD32 (Fcgr2), PE/Cyanine7 anti-mouse CD32 (Fcgr2) Antibody, PE/Dazzle™ 594 anti-mouse CD32 (Fcgr2) Antibody, Alexa Fluor® 647 anti-mouse CD32 (Fcgr2), Alexa Fluor® 700 anti-mouse CD32 (Fcgr2)

Product Data



C57BL/6 mouse splenocytes were stained with anti-mouse CD19 FITC and anti-mouse CD32 (clone S17012B) Alexa Fluor® 647 (left) or rat IgG2b, κ isotype Alexa Fluor® 647 control (right).

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