

Alexa Fluor® 647 anti-mouse CD16/32 Antibody

Catalog# / Size	156629 / 25 µg 156630 / 100 µg
Clone	S17011E
Regulatory Status	RUO
Other Names	CD16, CD32
Isotype	Rat IgG2b, κ
Description	CD16 is the low affinity IgG Fc receptor III (FcR III) and CD32 is FcR II. CD16/CD32 are expressed on B cells, monocytes/macrophages, NK cells, granulocytes, mast cells, and dendritic cells. The Fc receptors bind antibody-antigen immune complexes and mediate adaptive immune responses. TruStain FcX™ PLUS is specific to the common epitope of CD16/CD32. It is useful for blocking non-specific binding of immunoglobulin to the Fc receptors and is more effective than TruStain FcX™.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
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 ≤ 0.25 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)
Application Notes	Clone S17011E blocks both clone 93 and 2.4G2 also raised against mouse CD16/32
RRID	AB_3683171 (BioLegend Cat. No. 156629) AB_3683171 (BioLegend Cat. No. 156630)

Antigen Details

Structure	Ig superfamily, 40-60 kD
Distribution	B cells, monocyte/macrophages, NK cells, neutrophils, mast cells, dendritic cells

Ligand/Receptor	IgG
Cell Type	B cells, Dendritic cells, Macrophages, Mast cells, Monocytes, Neutrophils, NK cells
Biology Area	Immunology
Molecular Family	CD Molecules, Fc Receptors
Gene ID	14130 14131

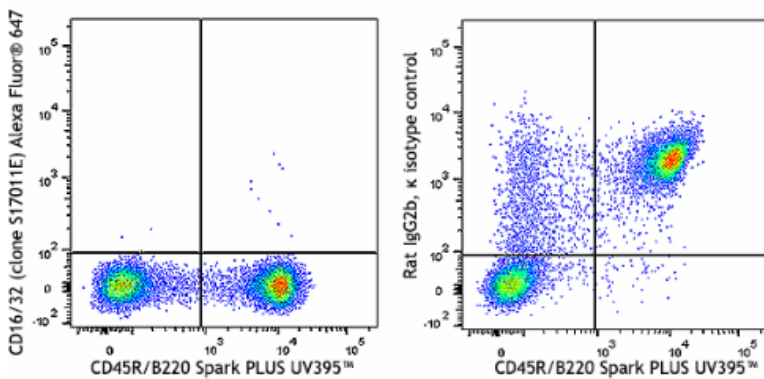
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

TruStain FcX™ PLUS (anti-mouse CD16/32), APC/Cyanine7 anti-mouse CD16/32, PE/Cyanine7 anti-mouse CD16/32, PE anti-mouse CD16/32, APC anti-mouse CD16/32, FITC anti-mouse CD16/32 Antibody, PE/Dazzle™ 594 anti-mouse CD16/32 Antibody, PerCP/Cyanine5.5 anti-mouse CD16/32 Antibody, PE/Cyanine5 anti-mouse CD16/32, Alexa Fluor® 700 anti-mouse CD16/32, APC/Fire™ 750 anti-mouse CD16/32, Brilliant Violet 510™ anti-mouse CD16/32, PerCP/Fire™ 780 anti-mouse CD16/32, Alexa Fluor® 647 anti-mouse CD16/32 Antibody

Product Data



C57BL/6 mouse splenocytes were stained with anti-mouse/human CD45R/B220 (clone RA3-6B2) Spark PLUS UV395™ and anti-mouse CD16/32 (clone S17011E) Alexa Fluor® 647 (left) or rat IgG2b, κ Alexa Fluor® 647 isotype control (right).

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