

## PerCP/Fire™ 780 anti-mouse CD16/32 Antibody

<b>Catalog# / Size</b>	156627 / 25 µg 156628 / 100 µg
<b>Clone</b>	S17011E
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	CD16, CD32
<b>Isotype</b>	Rat IgG2b, κ
<b>Description</b>	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

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<b>Verified Reactivity</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with PerCP/Fire™ 780 under optimal conditions.
<b>Concentration</b>	0.2 mg/mL
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is ≤ 0.125 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.  * PerCP/Fire™ 780 has a maximum excitation of 478 nm and a maximum emission of 780 nm.
<b>Excitation Laser</b>	Blue Laser (488 nm)
<b>Application Notes</b>	Clone S17011E blocks both clone 93 and 2.4G2 also raised against mouse CD16/32
<b>RRID</b>	AB_3675007 (BioLegend Cat. No. 156627) AB_3675007 (BioLegend Cat. No. 156628)

### Antigen Details

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<b>Structure</b>	Ig superfamily, 40-60 kD
<b>Distribution</b>	B cells, monocyte/macrophages, NK cells, neutrophils, mast cells, dendritic cells
<b>Ligand/Receptor</b>	IgG
<b>Cell Type</b>	B cells, Dendritic cells, Macrophages, Mast cells, Monocytes, Neutrophils, NK cells

<b>Biology Area</b>	Immunology
<b>Molecular Family</b>	CD Molecules, Fc Receptors
<b>Gene ID</b>	<a href="#">14130</a>
	<a href="#">14131</a>

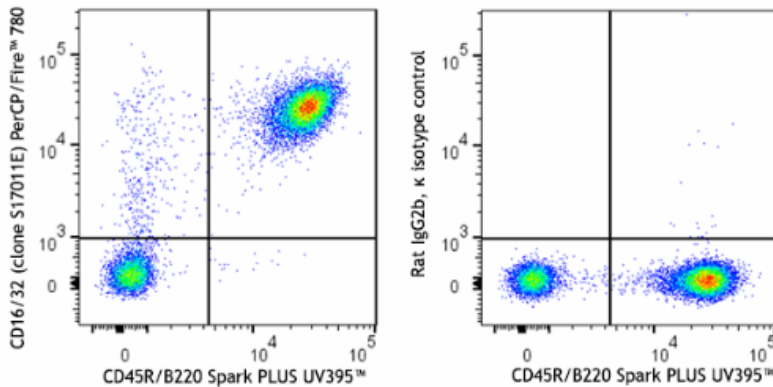
## Related Protocols

- [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 CD45R/B220 (clone RA3-6B2) Spark PLUS UV395™ and anti-mouse CD16/32 (clone S17011E) PerCP/Fire™ 780 (Left) or rat IgG2b, κ PerCP/Fire™ 780 isotype control (right).

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