

## TruStain FcX™ (anti-mouse CD16/32) Antibody

<b>Catalog# / Size</b>	101319 / 50 µg 101320 / 500 µg
<b>Clone</b>	93
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Fcγ R III/II, Ly-17
<b>Isotype</b>	Rat IgG2a, λ
<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™ is specific to the common epitope of CD16/CD32. It is useful for blocking non-specific binding of immunoglobulin to the Fc receptors.

### 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.
<b>Concentration</b>	0.5 mg/ml
<b>Storage &amp; Handling</b>	The CD16/32 antibody solution should be stored undiluted between 2°C and 8°C.
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	For blocking of Fc receptors in flow cytometric analysis, pre-incubate the cells with TruStain FcX™ at 1.0 µg per 10 <sup>6</sup> cells in 100 µl volume for 5-10 minutes on ice prior to immunostaining. It is not necessary to wash cells between these blocking and immunostaining steps.

### Application References

(PubMed link indicates BioLegend citation)

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**RRID** AB\_1574973 (BioLegend Cat. No. 101319)  
 AB\_1574975 (BioLegend Cat. No. 101320)

## Antigen Details

<b>Structure</b>	Ig superfamily, 40-60 kD
<b>Distribution</b>	B cells, monocyte/macrophages, NK cells, neutrophils, mast cells, dendritic cells
<b>Function</b>	Low affinity receptors for IgG
<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

Biotin anti-mouse CD16/32, FITC anti-mouse CD16/32, PE anti-mouse CD16/32, Purified anti-mouse CD16/32, Ultra-LEAF™ Purified anti-mouse CD16/32, Alexa Fluor® 647 anti-mouse CD16/32, PE/Cyanine7 anti-mouse CD16/32, TruStain FcX™ (anti-



mouse CD16/32), PerCP/Cyanine5.5 anti-mouse CD16/32, APC anti-mouse CD16/32, APC/Cyanine7 anti-mouse CD16/32, Brilliant Violet 421™ anti-mouse CD16/32, Brilliant Violet 510™ anti-mouse CD16/32, Purified anti-mouse CD16/32 (Maxpar® Ready), Brilliant Violet 711™ anti-mouse CD16/32, TotalSeq™-A0109 anti-mouse CD16/32, TotalSeq™-B0109 anti-mouse CD16/32, TotalSeq™-C0109 anti-mouse CD16/32

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