

CD16/CD32 Monoclonal Antibody (93), PE, eBioscience™

Product Details	
Size	50 µg
Species Reactivity	Mouse
Published Species	Rat, Fruit fly, Mouse
Host/Isotype	Rat / IgG2a, lambda
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	93
Conjugate	PE
Excitation/Emission Max	565/576 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_465567

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	33 Publications

Product Specific Information

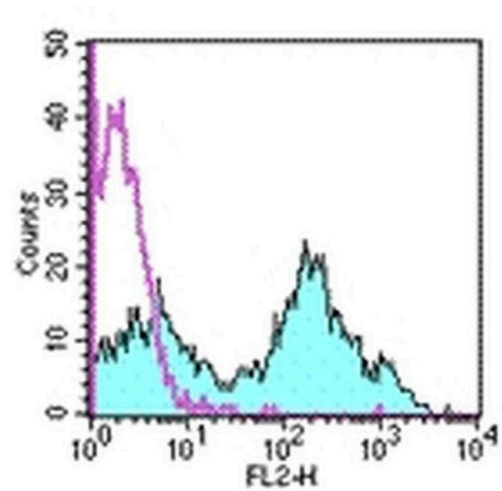
Description: The 93 monoclonal antibody reacts with an epitope shared by mouse CD16 and CD32. CD16 (Fc gamma III Receptor) and CD32 (Fc gamma II Receptor) are the low affinity receptors for the mouse IgG Fc portion and are expressed by B cells, monocyte/macrophages, NK cells, and neutrophils.

Applications Reported: The 93 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The 93 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD16/CD32 Antibody (12-0161-81) in Flow
Staining of C57BL/6 splenocytes with staining buffer (autofluorescence) (open histogram) or 0.06 µg of Anti-Mouse CD16/CD32 PE (filled histogram). Total viable cells were used for analysis.

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33 References

Flow Cytometry (33)

<p>Veterinary research</p> <p>Curcumin-dependent phenotypic transformation of microglia mediates resistance to pseudorabies-induced encephalitis.</p> <p>"12-0161-82 was used in Flow cytometry/Cell sorting to demonstrate that CUR protected against PRV-induced viral encephalitis by switching the phenotype of BV2 cells, thereby protecting neurons from inflammatory injury, and this effect was mediated by improving mitochondrial function and the AMPK/NF-B p65-energy metabolism-related pathway."</p> <p>Authors: Feng L,Luo G,Li Y,Zhang C,Liu Y,Liu Y,Chen H,He D,Zhu Y,Gan L</p>	<p>Year 2023</p> <p>Species Mouse</p>
<p>Frontiers in immunology</p> <p>Cytosolic Nuclear Sensor Dhx9 Controls Medullary Thymic Epithelial Cell Differentiation by p53-Mediated Pathways.</p> <p>"12-0161-82 was used in Flow cytometry/Cell sorting to reveal that Dhx9, a cytosolic nuclear sensor recognizes viral DNA or RNA, playing an important role in mTEC development and function in mice."</p> <p>Authors: Dong X,Zhang J,Zhang Q,Liang Z,Xu Y,Zhao Y,Zhang B</p>	<p>Year 2022</p> <p>Species Mouse</p>

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