

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Fruit fly, Mouse
Host/Isotope	Rat / IgG2a, lambda
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	93
Conjugate	PE
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_465568

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	20 Publications

Product Specific Information

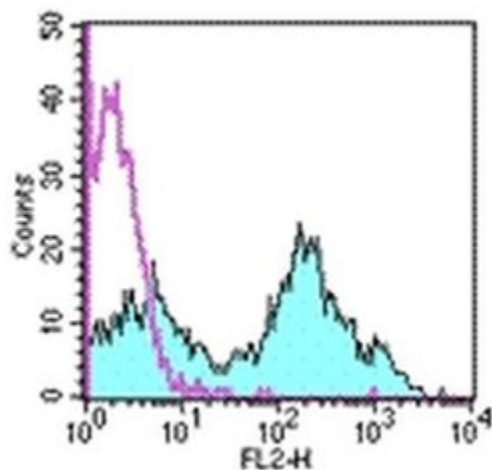
Description: The 93 monoclonal antibody reacts with an epitope shared by mouse CD16 and CD32. CD16 (Fc gamma III Receptor) and CD32 (Fc gamma II Receptor) are the low affinity receptors for the mouse IgG Fc portion and are expressed by B cells, monocyte/macrophages, NK cells, and neutrophils.

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 (12-0161-82) 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.

[View more figures on thermofisher.com](#)

20 References

Flow Cytometry (20)

Oncoimmunology

Angiotensin converting enzyme inhibitors and angiotensin II receptor antagonist attenuate tumor growth via polarization of neutrophils toward an antitumor phenotype.

"12-0161 was used in Flow cytometry/Cell sorting to investigate how modulation of Ang II pathway attenuates tumour growth via polarisation of neutrophils to an antitumoural phenotype."

Authors: Shrestha S, Noh JM, Kim SY, Ham HY, Kim YJ, Yun YJ, Kim MJ, Kwon MS, Song DK, Hong CW

Species
Mouse

Dilution
Not Cited

Year
2020

Nature communications

miR-143/145 differentially regulate hematopoietic stem and progenitor activity through suppression of canonical TGF signaling.

"Published figure using CD16/CD32 monoclonal antibody (Product # 12-0161-82) in Flow Cytometry"

Authors: Lam J, van den Bosch M, Wegrzyn J, Parker J, Ibrahim R, Slowski K, Chang L, Martinez-Høyer S, Condorelli G, Boldin M, Deng Y, Umlandt P, Fuller M, Karsan A

Species
Not Applicable

Dilution
Not Cited

Year
2018

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

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