

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Yeast, Fruit fly, Mouse
Host/Isotype	Rat / IgG2a, lambda
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	93
Conjugate	APC
Excitation/Emission Max	651/660 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_469356

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	22 Publications

Product Specific Information

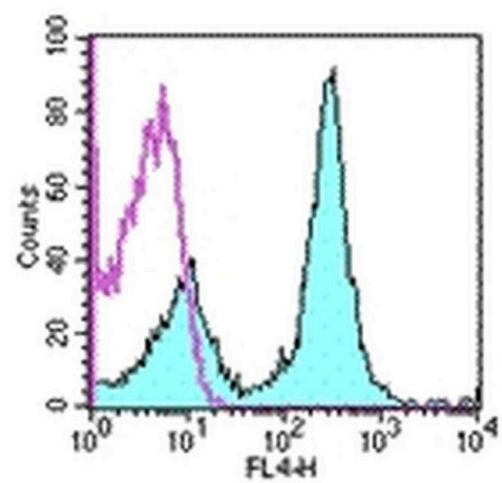
Description: The 93 monoclonal antibody reacts with an epitope shared by mouse CD16 and CD32. CD16 (Fc gamma III Receptor) and CD32 (Fc gamma II Receptor) are the low affinity receptors for the mouse IgG Fc portion and are expressed by B cells, monocyte/macrophages, NK cells, and neutrophils.

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 0.25 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: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD16/CD32 Antibody (17-0161-82) in Flow
Staining of BALB/c splenocytes with staining buffer (autofluorescence) (open histogram) or 0.125 µg of Anti-Mouse CD16/CD32 APC (filled histogram). Total viable cells were used for analysis.

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

22 References

Flow Cytometry (22)

Science advances	Year 2022
Nonredundancy of IL-1 and IL-1 is defined by distinct regulation of tissues orchestrating resistance versus tolerance to infection.	
"Published figure using CD16/CD32 monoclonal antibody (Product # 17-0161-82) in Flow Cytometry"	
Authors: Eismayr K,Bestehorn A,Morelli L,Borroni M,Vande Walle L,Lamkanfi M,Kovarik P	
The Journal of biological chemistry	Year 2021
Cholesterol and sphingomyelin are critical for Fc receptor-mediated phagocytosis of Cryptococcus neoformans by macrophages.	Species Yeast
"17-0161-82 was used in Flow Cytometry to suggest that lipid rafts are critical for facilitating FcRIII-mediated phagocytosis of C. neoformans."	
Authors: Bryan AM,You JK,Li G,Kim J,Singh A,Morstein J,Trauner D,Pereira de Sá N,Normile TG,Farnoud AM,London E,Del Poeta M	

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

More applications with references on thermofisher.cn

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