

CD16/CD32 Monoclonal Antibody (93), PerCP-eFluor 710, 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), PerCP-eFluor 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	93
Conjugate	PerCP-eFluor™ 710
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_2016701

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	17 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: This 93 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 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.

PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm); it can be used in place of PerCP-Cyanine5.5. We recommend using a 710/50 bandpass filter, however, the 695/40 bandpass filter is an acceptable alternative. Please make sure that your instrument is capable of detecting this fluorochrome.

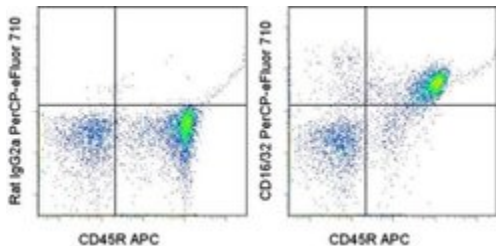
Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix /Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency

/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 488 nm; Emission: 710 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD16/CD32 Monoclonal Antibody (93), PerCP-eFluor 710, eBioscience™



CD16/CD32 Antibody (46-0161-82) in Flow

Staining of C57BL/6 splenocytes with Anti-Mouse CD45RB APC (Product # 17-0455-81) and 0.125 µg of Rat IgG2a K Isotype Control PerCP-eFluor® 710 (Product # 46-4321-82) (left) or 0.06 µg of Anti-Mouse CD16/CD32 PerCP-eFluor® 710 (right). Total viable cells were used for analysis.

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

17 References

Flow Cytometry (17)

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 # 46-0161-82) 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

Nature

Myeloid progenitor cluster formation drives emergency and leukaemic myelopoiesis.

"Published figure using CD16/CD32 monoclonal antibody (Product # 46-0161-82) in Flow Cytometry"

Authors: Héroult A, Binnewies M, Leong S, Calero-Nieto FJ, Zhang SY, Kang YA, Wang X, Pietras EM, Chu SH, Barry-Holson K, Armstrong S, Göttgens B, Passegué E

Species
Not Applicable

Dilution
Not Cited

Year
2017

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More applications with references on thermofisher.com

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