

# CD16/CD32 Monoclonal Antibody (93), eFluor 450, 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), eFluor 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	93
Conjugate	eFluor® 450
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_1272191

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	0.5 µg/test	14 Publications
Immunofluorescence (IF)	-		1 Publication

## 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.

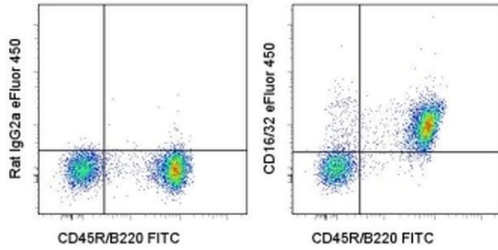
Applications Tested: This 93 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochoime.

Excitation: 405 nm; Emission: 445 nm; Laser: Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.

## Product Images For CD16/CD32 Monoclonal Antibody (93), eFluor 450, eBioscience™



### CD16/CD32 Antibody (48-0161-82) in Flow

Staining of C57BL/6 splenocytes with 0.25 µg of Rat IgG2a K Isotype Control eFluor® 450 (Product # 48-4321-82) (blue histogram) or 0.25 µg of Anti-Mouse CD16/CD32 eFluor® 450 (purple histogram). Total viable cells were used for analysis.

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

### 15 References

#### Flow Cytometry (14)

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 # 48-0161-82) 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

Cell

#### Modulation of Myelopoiesis Progenitors Is an Integral Component of Trained Immunity.

"48-0161 was used in Flow cytometry/Cell sorting to discover that modulation of myeloid progenitors in the bone marrow is an integral component of trained immunity."

Authors: Mitroulis I, Ruppova K, Wang B, Chen LS, Grzybek M, Grinenko T, Eugster A, Troullinaki M, Palladini A, Kourtzelis I, Chatzigeorgiou A, Schlitzer A, Beyer M, Joosten LAB, Isermann B, Lesche M, Petzold A, Simons K, Henry I, Dahl A, Schultze JL, Wielockx B, Zamboni N, Mirtschink P, Coskun Ü, Hajishengallis G, Netea MG, Chavakis T

Species

Mouse

Dilution

Not Cited

Year

2018

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

#### Immunofluorescence (1)

mBio

#### Gliotoxin Suppresses Macrophage Immune Function by Subverting Phosphatidylinositol 3,4,5-Trisphosphate Homeostasis.

"Published figure using CD16/CD32 monoclonal antibody (Product # 48-0161-82) in Flow Cytometry"

Authors: Schlam D, Canton J, Carreño M, Kopinski H, Freeman SA, Grinstein S, Fairn GD

Species

Not Applicable

Dilution

Not Cited

Year

2016

#### More applications with references on thermofisher.com

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