

# CD16/CD32 Monoclonal Antibody (93), Biotin, 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), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	93
Conjugate	Biotin
Form	Liquid
Concentration	0.5 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_466377

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	0.125 µg/test	9 Publications
Immunofluorescence (IF)	-		1 Publication
Miscellaneous PubMed (MISC)	-		1 Publication
Affinity Purification (AP)	-		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: The 93 antibody has been reported for use in flow cytometric analysis.

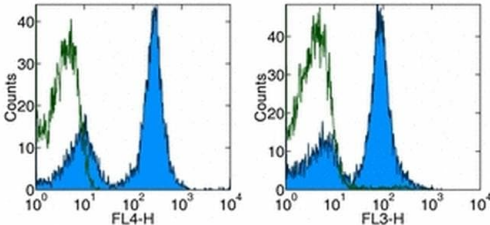
Applications Tested: The 93 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined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

Filtration: 0.2 µm post-manufacturing filtered.

**Product Images For CD16/CD32 Monoclonal Antibody (93), Biotin, eBioscience™**

**CD16/CD32 Antibody (13-0161-82) in Flow**

Staining of mouse splenocytes with Anti-Mouse CD16/CD32 APC (left), and PE-Cy7 (right). Autofluorescence is shown via open histogram. Total cells were used for analysis.



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## 12 References

### Flow Cytometry (9)

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 # 13-0161-82) 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 # 13-0161-82) 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

[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 # 13-0161-82) 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

### Miscellaneous PubMed (1)

Nature biotechnology

#### Tracking single hematopoietic stem cells in vivo using high-throughput sequencing in conjunction with viral genetic barcoding.

"13-0161 was used in Magnetic cell separation to investigate how to combine viral genetic barcoding with high-throughput sequencing to track single cells in a heterogeneous population."

Authors: Lu R, Neff NF, Quake SR, Weissman IL

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2011

### More applications with references on thermofisher.com

### AP (1)

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