

For Research Use Only

# CoraLite®594 Anti-Mouse CD16/32 (93)



Catalog Number: **CL594-65057**

## Basic Information

Catalog Number:

CL594-65057

Size:

100ug , 0.5 mg/ml

Source:

Rat

Isotype:

IgG2a, lambda

GenBank Accession Number:

BC038070

GeneID (NCBI):

14130

UNIPROT ID:

P08101

Full Name:

Fc receptor, IgG, low affinity IIb

Purification Method:

Affinity purification

CloneNo.:

93

Excitation/Emission maxima

wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

FC

Species Specificity:

Mouse

## Background Information

CD16 (FcγRIII) is a 50-70 kDa low affinity Fc receptor found on the surface of natural killer cells, neutrophil polymorphonuclear leukocytes, monocytes and macrophages. CD16 mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis. CD32 (FcγRII) is a 40 kD transmembrane glycoprotein that binds to the Fc region of IgG with low affinity. CD32 is present on phagocytic cells such as macrophages and neutrophils, and is involved in the process of phagocytosis and clearing of immune complexes.

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

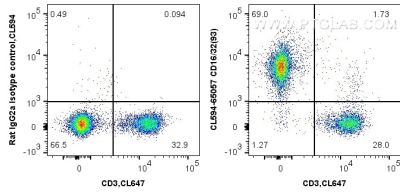
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> BALB/c mouse splenocytes were surface co-stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) and 0.5 ug CoraLite® 594 Anti-Mouse CD16/32 (CL594-65057, Clone:93) or 0.5 ug CoraLite® 594 Rat IgG2a Isotype Control (2A3) (CL594-65209, Clone: 2A3). Cells were not fixed.