

For Research Use Only

# Biotin Anti-Human CD16 (3G8) Mouse IgG2a Recombinant Antibody

Catalog Number: Biotin-65612



## Basic Information

Catalog Number:

Biotin-65612

Concentration:

100ug, 500 ug/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC017865

GeneID (NCBI):

2214

ENSEMBL Gene ID:

ENSG00000203747

Full Name:

Fc fragment of IgG, low affinity IIIa, receptor (CD16a)

Calculated MW:

254 aa, 29 kDa

Purification Method:

Protein A purification

CloneNo.:

3G8

## Applications

Tested Applications:

FC

Species Specificity:

human

## Background Information

CD16 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. CD16 has been identified as Fc receptors Fc  $\gamma$  RIIIa (CD16a) and Fc  $\gamma$  RIIIb (CD16b), encoded by two nearly identical genes, FCGR3A and the FCGR3B. Clone 3G8 recognizes both the CD16a and CD16b (PMID: 7592758).

## 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:

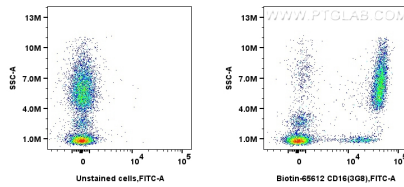
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

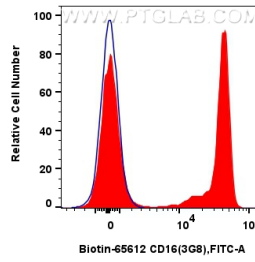
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> human peripheral blood leukocytes were surface stained with 5 ul Biotin Plus Anti-Human CD16 (3G8) Mouse IgG2a Recombinant Antibody (Biotin-65612, Clone: 3G8) and CoraLite® 488-conjugated streptavidin, or unstained cells. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> human peripheral blood leukocytes were surface stained with 5 ul Biotin Plus Anti-Human CD16 (3G8) Mouse IgG2a Recombinant Antibody (Biotin-65612, Clone: 3G8) and CoraLite® 488-conjugated streptavidin(red), or unstained cells(blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.