

For Research Use Only

# Anti-Human CD16 (3G8)

Catalog Number: 65090-1-Ig



## Basic Information

Catalog Number:

65090-1-Ig

Concentration:

100ug, 0.5 mg/ml

Source:

Mouse

Isotype:

IgG1, kappa

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 G purification

CloneNo.:

3G8

Recommended Dilutions:

FC: 0.2 ug per 10<sup>6</sup> cells in 100  $\mu$ l suspension

## Applications

Tested Applications:

FC

Species Specificity:

Human

Positive Controls:

FC : human PBMCs,

## 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

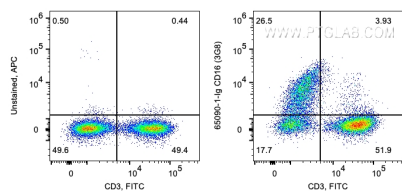
T: 4006900926

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

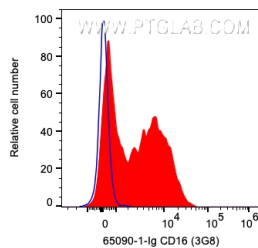
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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface co-stained with FITC Anti-Human CD3 and 0.2 ug Anti-Human CD16 (65090-1-Ig, Clone:3G8) and APC-Goat anti-Mouse IgG at dilution 1:1000. Cells were not fixed. Lymphocytes were gated.



1X10<sup>6</sup> human PBMCs were surface stained with 0.2 ug Anti-Human CD16 (65090-1-Ig, Clone:3G8) and APC-Goat anti-Mouse IgG at dilution 1:1000. Cells were not fixed. Lymphocytes were gated.