

For Research Use Only

# PE Anti-Human CD16 (3G8)

Catalog Number: PE-65090



## Basic Information

**Catalog Number:**

PE-65090

**Size:**

100 tests, 5 µl/test

**Source:**

Mouse

**Isotype:**

IgG1, kappa

**GenBank Accession Number:**

BC017865

**GeneID (NCBI):**

2214

**ENSEMBL Gene ID:**

ENSG00000203747

**UNIPROT ID:**

P08637

**Full Name:**

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

**Calculated MW:**

254 aa, 29 kDa

**Purification Method:**

Affinity purification

**CloneNo.:**

3G8

**Excitation/Emission maxima wavelengths:**

496 nm, 565 nm / 578 nm

## 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 and 0.5% BSA.

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

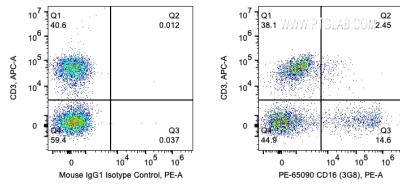
T: 4006900926

E: Proteintech-CN@ptglab.com

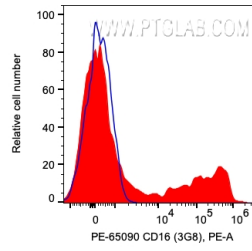
W: ptgcn.com

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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface co-stained with APC Anti-Human CD3 and 5 ul PE Anti-Human CD16 (PE-65090, Clone:3G8) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



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