

For Research Use Only

# FITC Plus Anti-Human CD16 (3G8) Mouse IgG1 Recombinant Antibody



Catalog Number: FITC-65539

## Basic Information

**Catalog Number:**

FITC-65539

**Size:**

100 tests, 5 µl/test

**Source:**

Mouse

**Isotype:**

IgG1

**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:**

Affinity purification

**CloneNo.:**

3G8

**Excitation/Emission maxima wavelengths:**

495 nm / 524 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 FcγRIIIa (CD16a) and FcγRIIIb (CD16b), encoded by two nearly identical genes, FCGR3A and FCGR3B.

## 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.

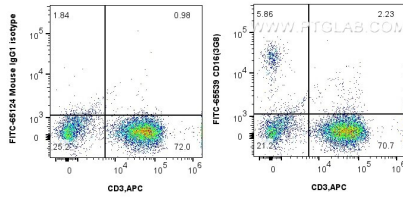
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul FITC Plus Anti-Human CD16 Mouse Recombinant Antibody (FITC-65539, Clone: 3G8) or FITC Plus Mouse IgG1 Isotype Control (MOPC-21) (FITC-65124, Clone: MOPC-21), and 5 ul APC Anti-Human CD3 (OKT3) (APC-65133, Clone: OKT3). Cells were not fixed.