

For Research Use Only

# FcZero-rAb™ APC-Cyanine7 Anti-Human CD16 (3G8) Rabbit Recombinant Antibody

Catalog Number:AY7-FcA65612



## Basic Information

**Catalog Number:**

AY7-FcA65612

**Concentration:**

100tests, 5 ul/test

**Source:**

Rabbit

**Isotype:**

IgG

**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:**

Protein A purification

**CloneNo.:**

3G8

**Recommended Dilutions:**

FC: 5 ul per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maximum wavelengths:**

650 nm / 778 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

human, monkey, non-human primates

**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 Fcγ RIIIa (CD16a) and Fcγ 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, pH7.3

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

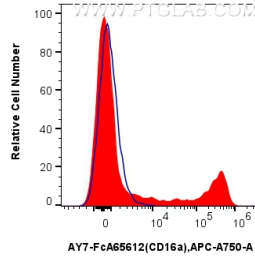
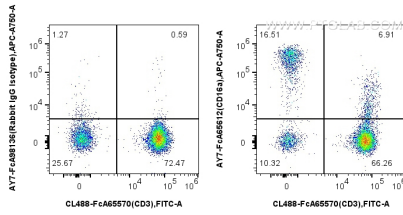
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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 FcZero-rAb™ CoraLite® Plus 488 Anti-Human CD3 (UCHT1), and 5 ul APC-Cyanine7 Anti-Human CD16 (3G8) Rabbit IgG RecAb (AY7-FcA65612, Clone: 3G8) or FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul APC-Cyanine7 Anti-Human CD16 (3G8) Rabbit IgG RecAb (AY7-FcA65612, Clone: 3G8) (red) or FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9) (blue). Cells were not fixed. Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Lymphocytes were gated.