

For Research Use Only

# FcZero-rAb™ PE-Cyanine5 Anti-Human CD16 (3G8) Rabbit IgG Recombinant Antibody

Catalog Number: PY5-FcA65612



## Basic Information

Catalog Number:	PY5-FcA65612	GenBank Accession Number:	BC017865	Purification Method:	Protein A purification
Concentration:	100 tests, 5 µl/test	GeneID (NCBI):	2214	Clone No.:	3G8
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000203747	Recommended Dilutions:	FC: 5 µl per 10 <sup>6</sup> cells in a 100 µl suspension
Isotype:	IgG	UNIPROT ID:	P08637	Excitation/Emission maxima wavelengths:	496 nm, 565 nm / 666 nm
		Full Name:	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)		
		Calculated MW:	254 aa, 29 kDa		

## Applications

Tested Applications:	FC	Positive Controls:
Species Specificity:	human, monkey, non-human primates	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 $\gamma$  RIIa (CD16a) and Fc $\gamma$  RIIb (CD16b), encoded by two nearly identical genes, FCGR3A and the FCGR3B. Clone 3G8 recognizes both the CD16a and CD16b (PMID: 7592758).

## Storage

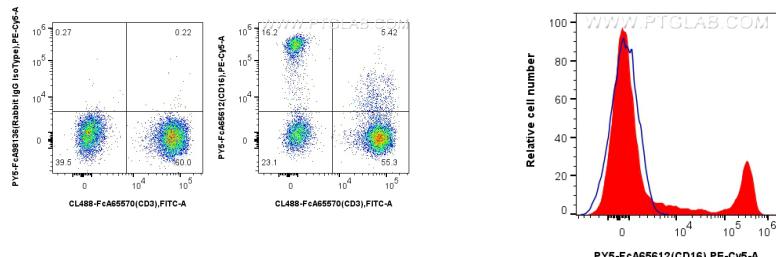
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:  
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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 Coralite® Plus 488 Anti-Human CD3 (UCHT1) and 5 ul PE-Cyanine5 Anti-Human CD16 (3G8) Rabbit IgG RecAb (PY5-FcA65612, Clone:3G8), or 5 ul Rabbit IgG Isotype Control RecAb (PY5-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent(PF00020) prior to staining. Cells were not fixed.

1x10<sup>6</sup> human PBMCs were surface stained with 5 ul PE-Cyanine5 Anti-Human CD16 (3G8) Rabbit IgG RecAb (PY5-FcA65612, Clone:3G8) (red), or 5 ul Rabbit IgG Isotype Control RecAb (PY5-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent(PF00020) prior to staining. Cells were not fixed.