

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
Size:	100 tests, 5 µl/test	GeneID (NCBI):	2214	Clone No.:	3G8
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000203747	Recommended Dilutions:	FC: 5 µl per 10 ⁶ 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:	Positive Controls:
FC	FC : human PBMCs,
Species Specificity:	human, monkey, non-human primates

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 RIIa (CD16a) and Fcγ RIIb (CD16b), encoded by two nearly identical genes, FCGR3A and the FCGR3B. Clone 3G8 recognizes both the CD16a and CD16b (PMID: 7592758).

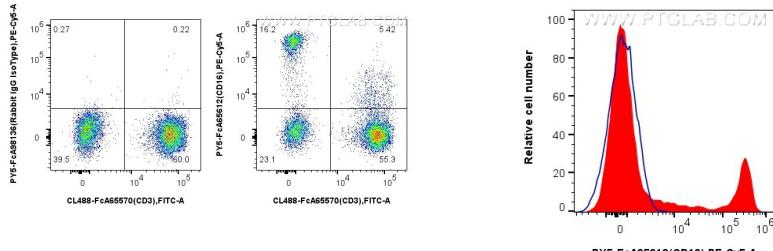
Storage

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:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

Selected Validation Data



1×10^6 human PBMCs were surface stained with Coralite® Plus 488 Anti-Human CD3 (UCHT1) and 5 μ l PE-Cyanine5 Anti-Human CD16 (3G8) Rabbit IgG RecAb (PY5-FcA65612, Clone:3G8), or 5 μ l 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.

1×10^6 human PBMCs were surface stained with 5 μ l PE-Cyanine5 Anti-Human CD16 (3G8) Rabbit IgG RecAb (PY5-FcA65612, Clone:3G8) (red), or 5 μ l 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.