

For Research Use Only

FcZero-rAb™ PerCP Anti-Human CD16 (3G8) Rabbit IgG Recombinant Antibody

Catalog Number: CP-FcA65612



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CP-FcA65612	BC017865	Protein A purification
Size:	GenID (NCBI):	Clone No.:
100 tests, 5 µl/test	2214	3G8
Source:	ENSEMBL Gene ID:	Recommended Dilutions:
Rabbit	ENSG00000203747	FC: 5 µl per 10 ⁶ cells in a 100 µl suspension
Isotype:	UNIPROT ID:	Excitation/Emission maxima wavelengths:
IgG	P08637	482 nm / 677 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).

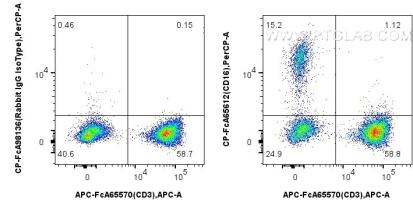
Storage

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

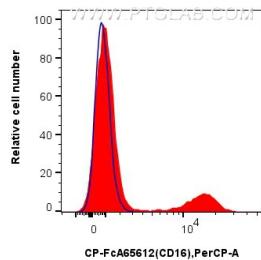
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10⁶ human PBMCs were surface stained with APC Anti-Human CD3 (UCHT1) and 5 ul PerCP Anti-Human CD16 (3G8) Rabbit IgG RecAb (CP-FcA65612, Clone:3G8), or 5 ul Rabbit IgG Isotype Control RecAb (CP-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 5 ul PerCP Anti-Human CD16 (3G8) Rabbit IgG RecAb (CP-FcA65612, Clone:3G8) (red), or 5 ul Rabbit IgG Isotype Control RecAb (CP-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.