

For Research Use Only

FcZero-rAb™ PerCP-Cyanine5.5 Anti-Human CD16 (3G8) Rabbit IgG Recombinant Antibody

Catalog Number:CPY5-FcA65612



Basic Information

Catalog Number:	CPY5-FcA65612	GenBank Accession Number:	BC017865	Purification Method:	Protein A purification
Concentration:	100 tests, 5 μ l/test	GeneID (NCBI):	2214	Clone No.:	3G8
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000203747	Recommended Dilutions:	FC: 5 μ l per 10^6 cells in a 100 μ l suspension
Isotype:	IgG	UNIPROT ID:	P08637	Excitation/Emission maxima wavelengths:	482 nm / 690 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 γ RIIa (CD16a) and Fc γ RIIb (CD16b), encoded by two nearly identical genes, FCGR3A and the FCGR3B. Clone 3G8 recognizes both the CD16a and CD16b (PMID: 7592758).

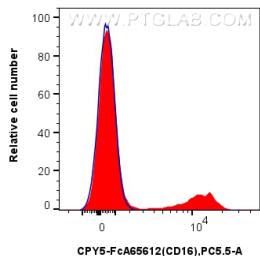
Storage

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

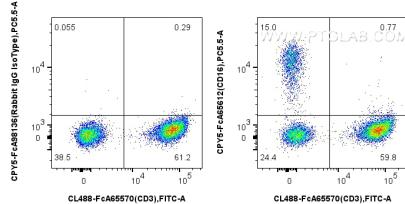
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



1x10⁶ human PBMCs were surface stained with 5 ul PerCP-Cyanine5.5 Anti-Human CD16 (3G8) Rabbit IgG RecAb (CPY5-FcA65612, Clone:3G8) (red), or 5 ul Rabbit IgG Isotype Control RecAb (CPY5-FcA98136, Clone: 240953C9)(blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent(PF00020) prior to staining. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD3 (UCHT1) and 5 ul PerCP-Cyanine5.5 Anti-Human CD16 (3G8) Rabbit IgG RecAb (CPY5-FcA65612, Clone:3G8), or 5 ul Rabbit IgG Isotype Control RecAb (CPY5-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent(PF00020) prior to staining. Cells were not fixed.