

For Research Use Only

FcZero-rAb™ CoraLite® Plus 594 Anti-Human CD16 (3G8) Rabbit IgG Recombinant Antibody

Catalog Number: CL594-FcA65612



Basic Information

Catalog Number:	CL594-FcA65612	GenBank Accession Number:	BC017865	Purification Method:	Protein A purification
Size:	100 tests, 5 µl/test	GenID (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:	588 nm / 604 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 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).

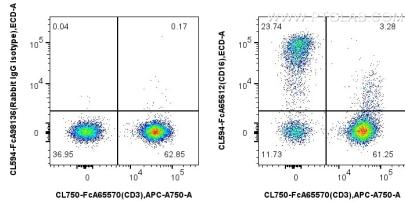
Storage

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

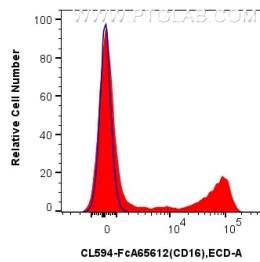
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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 FcZero-rAb™ CoraLite® Plus 750 Anti-Human CD3 (UCHT1), and 5 μ l CoraLite® Plus 594 Anti-Human CD16 (3G8) Rabbit IgG RecAb (CL594-FcA65612, Clone:3G8) or CoraLite® 594 Rabbit IgG Isotype Control RecAb (CL594-FcA98136, Clone: 240953C9). Cells were not fixed.



1×10^6 human PBMCs were surface stained with 5 μ l CoraLite® Plus 594 Anti-Human CD16 (3G8) Rabbit IgG RecAb (CL594-FcA65612, Clone:3G8) (red) or CoraLite® 594 Rabbit IgG Isotype Control RecAb (CL594-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.