

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:	Purification Method:
Concentration:	100 tests, 5 µl/test	GenID (NCBI):	Protein A purification
Source:	Rabbit	ENSEMBL Gene ID:	CloneNo.:
Isotype:	IgG	ENSG00000203747	3G8
		UNIPROT ID:	Recommended Dilutions:
		P08637	FC: 5 µl per 10^6 cells in a 100 µl suspension
		Full Name:	Excitation/Emission maxima wavelengths:
		Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	588 nm / 604 nm
		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 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).

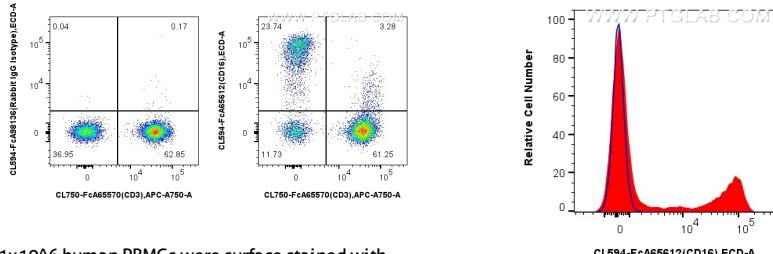
Storage

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 FcZero-rAb™ CoraLite® Plus 750 Anti-Human CD3 (UCHT1), and 5 ul 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.

1x10⁶ human PBMCs were surface stained with 5 ul 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.