

For Research Use Only

Cardinal Red™ Anti-Human CD16 (3G8)



Catalog Number: CR-65090

Basic Information

Catalog Number: CR-65090	GenBank Accession Number: BC017865	Purification Method: Affinity purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 2214	CloneNo.: 3G8
Source: Mouse	Full Name: Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	Excitation/Emission maxima wavelengths: 592 nm / 611 nm
Isotype: IgG1, kappa	Calculated MW: 254 aa, 29 kDa	

Applications

Tested Applications:
FC

Species Specificity:
Human

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

Storage

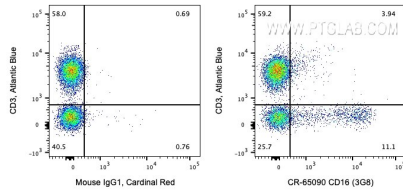
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

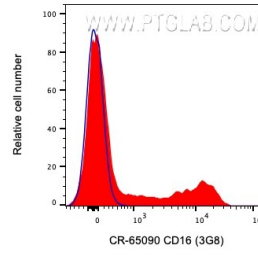
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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 co-stained with Atlantic Blue Anti-Human CD3 and 5 ul Cardinal Red™ Anti-Human CD16 (CR-65090, Clone:3G8) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



1X10⁶ human PBMCs were surface co-stained with Atlantic Blue Anti-Human CD3 and 5 ul Cardinal Red™ Anti-Human CD16 (CR-65090, Clone:3G8) (red) or Mouse IgG1 Isotype Control. Cells were not fixed. CD3 negative lymphocytes were gated.