

For Research Use Only

Atlantic Blue™ Anti-Human CD16 (3G8)



Catalog Number: AB-65090

Basic Information

Catalog Number: AB-65090	GenBank Accession Number: BC017865	Purification Method: Affinity purification
Size: 100tests, 5 µl/test	GeneID (NCBI): 2214	CloneNo.: 3G8
Source: Mouse	ENSEMBL Gene ID: ENSG00000203747	Excitation/Emission maxima wavelengths: 404 nm / 458 nm
Isotype: IgG1, kappa	Full Name: Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	
	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 Fc γ RIIIa (CD16a) and Fc γ RIIIb (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:

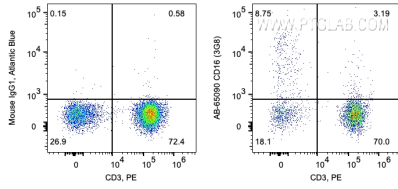
T: 4006900926

E: Proteintech-CN@ptglab.com

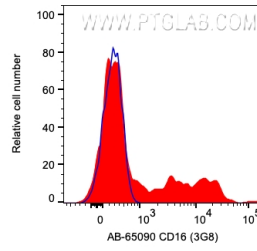
W: ptgcn.com

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Selected Validation Data



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



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