

For Research Use Only

CoraLite® Plus 488 Anti-Human CD16 (3G8)

Catalog Number: CL488-65090



Basic Information

Catalog Number: CL488-65090	GenBank Accession Number: BC017865	Purification Method: Affinity purification
Concentration: 100 tests, 5 µl / test	GeneID (NCBI): 2214	CloneNo.: 3G8
Source: Mouse	ENSEMBL Gene ID: ENSG00000203747	Recommended Dilutions: FC: 5 µl per 10 ⁶ cells in 100 µl suspension
Isotype: IgG1, kappa	Full Name: Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 254 aa, 29 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : human PBMCs,
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, pH7.3

For technical support and original validation data for this product please contact:

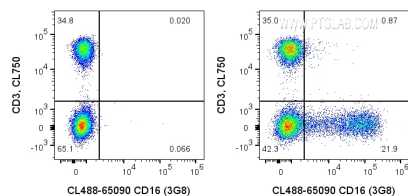
T: 4006900926

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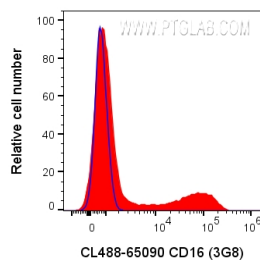
W: ptgcn.com

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Selected Validation Data



1X10⁶ human PBMCs were surface stained with CL750 Anti-Human CD3 and 5 ul CoraLite® Plus 488 Anti-Human CD16 (CL488-65090, Clone:3G8), or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



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