For Research Use Only

Cardinal Red™ Anti-Human CD16 (3G8)

Catalog Number:CR-65090

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CR-65090

Size:
100tests, 5 μl/test

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
BC017865

GeneID (NCBI):
2214

ENSEMBL Gene ID:
ENSG00000203747

Full Name:
Fc fragment of IgG, low affinity IIIa, receptor (CD16a)

Calculated MW:
254 aa, 29 kDa

Purification Method:
Affinity purification

CloneNo.:
3G8

Excitation/Emission maxima wavelengths:
592 nm / 611 nm

Applications

Tested Applications:
FC

Species Specificity:
Human

Background Information

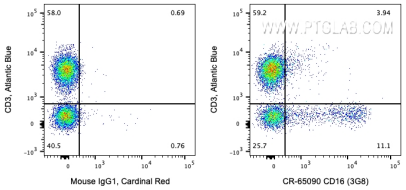
CD16 is a 50-70-kDa low affinity Fc receptor found on the surface of natural killer cells, neutrophil polymorphonuclear leukocytes, monocytes and macrophages. CD16 mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis. CD16 has been identified 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

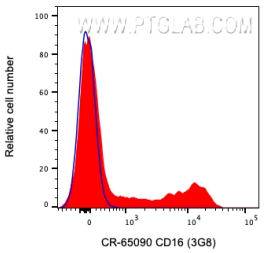
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



1X10^6 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.



1X10^6 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.