

For Research Use Only

# CoraLux Violet 510 Anti-Human CD16 (3G8) Mouse IgG2a Recombinant Antibody

Catalog Number: **CLV510-65612**



## Basic Information

Catalog Number:

CLV510-65612

Size:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG2a

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:

Protein A purification

CloneNo.:

3G8

Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

410 nm / 501 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

## 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

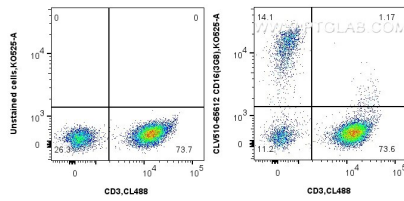
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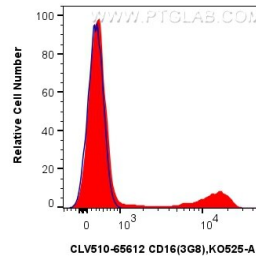
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## Selected Validation Data



1x10<sup>6</sup> FC receptor blocked human PBMCs were surface stained with Coralite® Plus 488 Anti-Human CD3, and 5 ul Coralux Violet 510 Anti-Human CD16 (3G8) Mouse IgG2a RecAb (CLV510-65612, Clone: 3G8) or unstained. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> FC receptor blocked human PBMCs were surface stained with 5 ul Coralux Violet 510 Anti-Human CD16 (3G8) Mouse IgG2a RecAb (CLV510-65612, Clone: 3G8) (red) or unstained (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.