

For Research Use Only

CoraLux Violet 510 Anti-Human CD64 (10.1) Mouse IgG2a Recombinant Antibody

Catalog Number: CLV510-65572



Basic Information

Catalog Number:

CLV510-65572

Concentration:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC032634

GeneID (NCBI):

2209

ENSEMBL Gene ID:

ENSG00000150337

Full Name:

Fc fragment of IgG, high affinity Ia, receptor (CD64)

Calculated MW:

374 aa, 43 kDa

Purification Method:

Protein A purification

CloneNo.:

10.1

Recommended Dilutions:

FC: 5 µl per 10⁶ 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

Fcγ receptor comprise a multigene family of integral membrane glycoproteins that exhibit complex activation or inhibitory effects on cell functions after aggregation by complexed immunoglobulin G (IgG) (PMID: 17005690). CD64, also known as Fcγ R1A, is a high-affinity receptor for the Fc region of IgG. It is expressed by monocytes/macrophages, activated neutrophils, dendritic cells, and early myeloid cells (PMID: 23293080; 19642859; 7680917). CD64 functions in both innate and adaptive immune responses.

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:

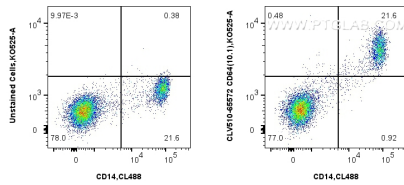
T: 4006900926

E: Proteintech-CN@ptglab.com

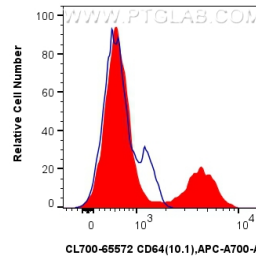
W: ptgcn.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD14, and 5 ul CoraLux Violet 510 Anti-Human CD64 (10.1) Mouse IgG2a RecAb (CLV510-65572, Clone: 10.1) or unstained. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLux Violet 510 Anti-Human CD64 (10.1) Mouse IgG2a RecAb (CLV510-65572, Clone: 10.1) (red) or unstained (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.