For Research Use Only

CoraLite®700 Anti-Human CD64 (10.1) Mouse IgG2a Recombinant Antibody

Catalog Number:CL700-65572

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL700-65572

Concentration:
100tests, 5 ul/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 ul per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
702 nm / 723 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : human PBMCs,

Background Information

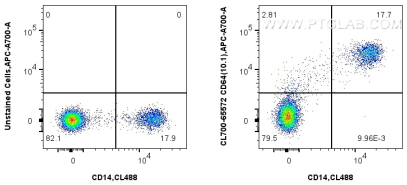
Fc γ receptor comprise a multigene family of integral membrane glycoproteins that exhibit complex activation or inhibitory effects on cell functions after aggregation by complexed immunoglobulin G (IgG) (PMID: 17005690). CD64, also known as Fc γ RIA, is a high-affinity receptor for the Fc region of IgG. 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

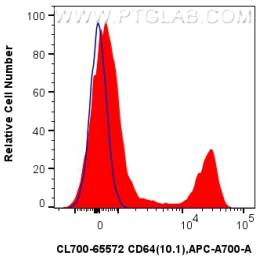
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

Selected Validation Data



1x10^6 human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD14, and 5 ul CoraLite®700 Anti-Human CD64 (10.1) Mouse IgG2a RecAb (CL700-65572, Clone:10.1) or unstained. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10^6 human PBMCs were surface stained with 5 ul CoraLite®700 Anti-Human CD64 (10.1) Mouse IgG2a RecAb (CL700-65572, Clone:10.1) (red) or unstained (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.