For Research Use Only

FcZero-rAb® CoraLite® Plus 555 Anti-Human CD64 (10.1) Rabbit Recombinant Antibody

Catalog Number:CL555-FcA65572

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

Basic Information

Catalog Number:
CL555-FcA65572

Concentration:
100tests, 5 ul/test

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC032634

GeneID (NCBI):
2209

ENSEMBL Gene ID:
ENSG00000150337

UNIPROT ID:
P12314

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:
556nm/567nm

Applications

Tested Applications:
FC

Species Specificity:
human, cynomolgus monkey

Positive Controls:

FC : human PBMCs,

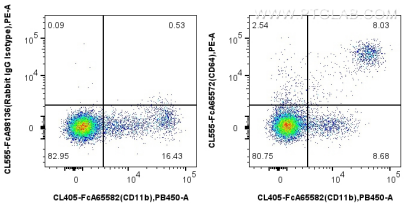
Background Information

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 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.

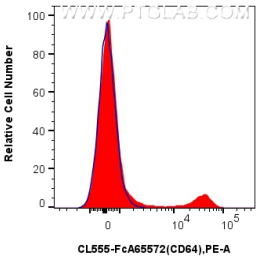
Storage

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

Selected Validation Data



1x10^6 human PBMCs were surface stained with FcZero-rAb® CoraLite® Plus 405 Anti-Human CD11b (ICRF44), and 0.25 ug / 5 ul CoraLite® Plus 555 Anti-Human CD64 (10.1) Rabbit RecAb (CL555-FcA65572, Clone: 10.1) or FcZero-rAb® CoraLite® Plus 555 Rabbit IgG Isotype Control Recombinant Antibody (CL555-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10^6 human PBMCs were surface stained with 0.25 ug / 5 ul CoraLite® Plus 555 Anti-Human CD64 (10.1) Rabbit RecAb (CL555-FcA65572, Clone: 10.1) (red) or FcZero-rAb® CoraLite® Plus 555 Rabbit IgG Isotype Control Recombinant Antibody (CL555-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.