

For Research Use Only

# FcZero-rAb® CoraLite® Plus 647 Anti-Human CD64 (10.1) Rabbit Recombinant Antibody



Catalog Number: CL647-FcA65572

## Basic Information

**Catalog Number:**

CL647-FcA65572

**Size:**

100 tests, 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<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maxima wavelengths:**

654 nm / 674 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

human, monkey, non-human primates

**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

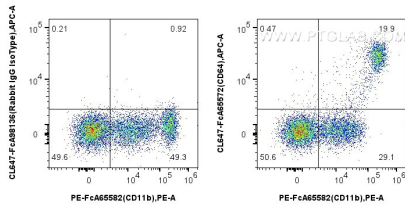
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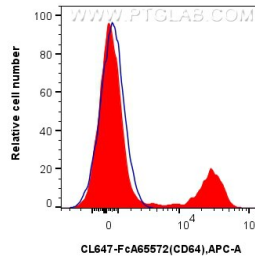
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with PE Anti-Human CD11b (ICRF44), and 5 ul CoraLite® Plus 647 Anti-Human CD64 (10.1) Rabbit RecAb (CL647-FcA65572, Clone: 10.1) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CD64 (10.1) Rabbit RecAb (CL647-FcA65572, Clone: 10.1) (red) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.