

PE Anti-Human CD64 (10.1)

Catalog Number: PE-65253

Basic Information

Catalog Number:

PE-65253

Size:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG1, kappa

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:

N/A

CloneNo.:

10.1

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Species Specificity:

Human

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

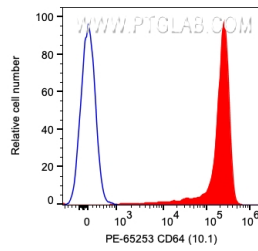
Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

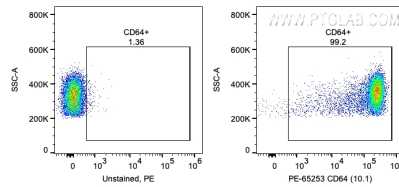
Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA.

Selected Validation Data



1X10⁶ human PBMCs were surface stained with 5 ul PE Anti-Human CD64 (PE-65253, Clone:10.1) (red) or unstained. Cells were not fixed. Monocytes were gated.



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