

For Research Use Only

PE-Cyanine7 Anti-Mouse CD64 Rabbit Recombinant Antibody

Catalog Number: PY7-98218



Basic Information

Catalog Number:

PY7-98218

Concentration:

100ug, 200 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG2107

GenBank Accession Number:

NM_010186.5

GeneID (NCBI):

14129

UNIPROT ID:

P26151

Full Name:

Fc receptor, IgG, high affinity I

Calculated MW:

45 kDa

Purification Method:

Protein A purification

CloneNo.:

241809A6

Recommended Dilutions:

FC: 0.1 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 778 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse bone marrow cells,

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:

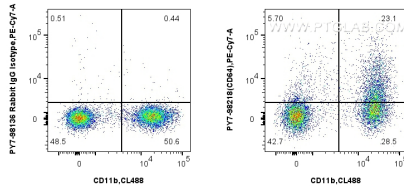
T: 4006900926

E: Proteintech-CN@ptglab.com

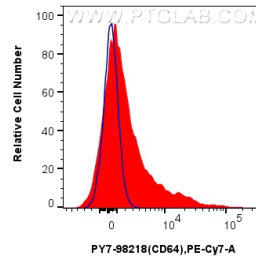
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Selected Validation Data



1x10⁶ mouse bone marrow cells were surface stained with CoraLite® Plus 488 Anti-Mouse CD11b, and 0.1 ug PE-Cyanine7 Anti-Mouse CD64 Rabbit RecAb (PY7-98218, Clone: 241809A6) or PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-98136, Clone: 240953C9). Cells were incubated with MonoZero™ Human/Mouse 3-in-1 blocking Reagent (PF00029) prior to staining. Cells were not fixed.



1x10⁶ mouse bone marrow cells were surface stained with 0.1 ug PE-Cyanine7 Anti-Mouse CD64 Rabbit RecAb (PY7-98218, Clone: 241809A6) (red) or PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Human/Mouse 3-in-1 blocking Reagent (PF00029) prior to staining. Cells were not fixed.