

For Research Use Only

# PE Anti-Mouse SIRP Alpha/CD172a Rabbit Recombinant Antibody

Catalog Number: PE-98225



## Basic Information

Catalog Number:

PE-98225

Size:

100ug , 200 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_007547.4

GeneID (NCBI):

19261

UNIPROT ID:

P97797-2

Full Name:

signal-regulatory protein alpha

Calculated MW:

56 kDa

Purification Method:

Protein A purification

CloneNo.:

241794D9

Recommended Dilutions:

FC: 0.1 ug per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse bone marrow cells,

## Background Information

SIRP Alpha, also known as CD172a, SHPS-1, and BIT, belongs to the SIRP family. SIRP Alpha is a transmembrane glycoprotein expressed explicitly on myeloid cells and provides a "do not eat me" signal after engaging with integrin-associated protein CD47 on tumor cells (PMID: 36419386). SIRP Alpha shows heterogeneity in molecular weight (~65-120 kDa) in various tissues due to differential glycosylation (PMID: 18051954).

## 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

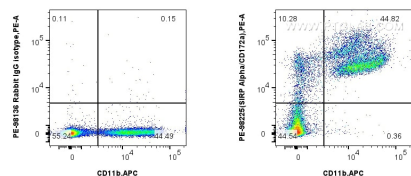
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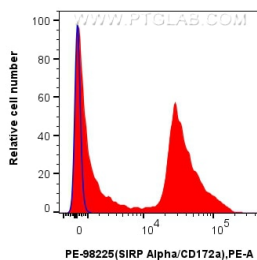
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## Selected Validation Data



1x10<sup>6</sup> mouse bone marrow cells were surface stained with APC Anti-Mouse CD11b (M1/70) (APC-65055, Clone: M1/70), and 0.1 ug PE Anti-Mouse SIRP Alpha/CD172a Rabbit RecAb (PE-98225, Clone: 241794D9) or PE Rabbit IgG Isotype Control RecAb (PE-98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.1 ug PE Anti-Mouse SIRP Alpha/CD172a Rabbit RecAb (PE-98225, Clone: 241794D9) (red) or PE Rabbit IgG Isotype Control RecAb (PE-98136, Clone: 240953C9) (blue). Cells were not fixed.