

For Research Use Only

# Anti-Mouse SIRP Alpha/CD172a Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98225-1-PBS



## Basic Information

Catalog Number:

98225-1-PBS

Size:

1mg, 2 mg/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

## Applications

Tested Applications:

FC

Species Specificity:

mouse

## 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 -80°C.

Storage Buffer:

PBS Only

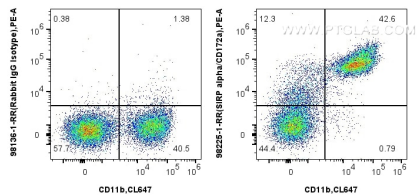
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

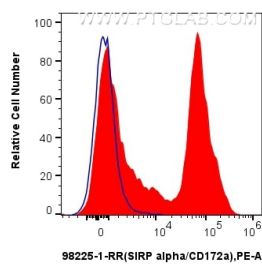
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

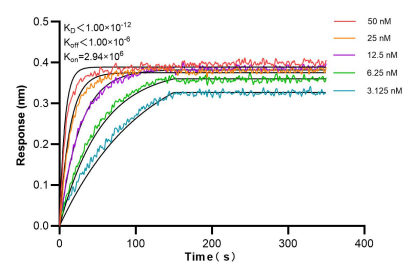
Selected Validation Data



1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.25 ug Anti-Mouse SIRP alpha/CD172a Rabbit Recombinant Antibody (98225-1-RR, Clone: 241794D9) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Mouse CD11b. Cells were not fixed. This data was developed using the same antibody clone with 98225-1-



1x10<sup>6</sup> mouse marrow cells were surface stained with 0.25 ug Anti-Mouse SIRP alpha/CD172a Rabbit Recombinant Antibody (98225-1-RR, Clone: 241794D9) (red) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98225-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98225-1-RR against Mouse SIRP Alpha/CD172a were performed. The affinity constant is below 1 pM.