

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	GenBank Accession Number:	NM_007547.4
Size:	1mg, 2 mg/ml	GenID (NCBI):	19261
Source:	Rabbit	UNIPROT ID:	P97797-2
Isotype:	IgG	Full Name:	signal-regulatory protein alpha
Immunogen Catalog Number:	EG1520	Calculated MW:	56 kDa

## 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).

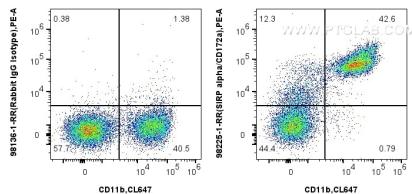
## Storage

Storage:  
Store at -80°C.  
Storage Buffer:  
PBS only, pH7.3

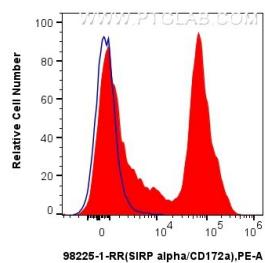
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

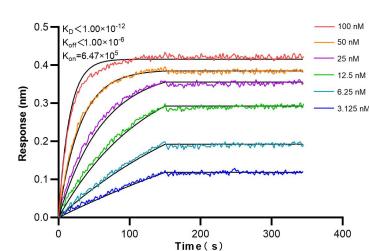
## Selected Validation Data



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 bone 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.