

For Research Use Only

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

Catalog Number:PE-98225



## Basic Information

Catalog Number:	PE-98225	GenBank Accession Number:	NM_007547.4	Purification Method:	Protein A purification
Size:	100ug , 200 ug/ml	GenID (NCBI):	19261	CloneNo.:	241794D9
Source:	Rabbit	UNIPROT ID:	P97797-2	Recommended Dilutions:	FC: 0.1 ug per 10 <sup>6</sup> cells in 100 µl suspension
Isotype:	IgG	Full Name:	signal-regulatory protein alpha	Excitation/Emission maxima wavelengths:	496 nm, 565 nm / 578 nm
		Calculated MW:	56 kDa		

## Applications

Tested Applications:	FC	Positive Controls:
Species Specificity:	mouse	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).

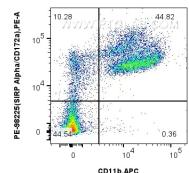
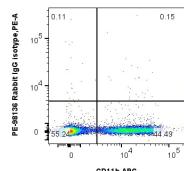
## Storage

**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

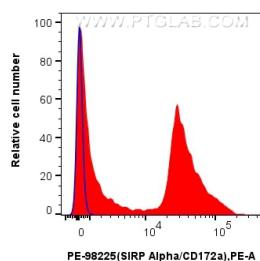
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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 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.