

For Research Use Only

Anti-Mouse SIRP Alpha/CD172a Rabbit Recombinant Antibody

Catalog Number: 98225-1-RR



Basic Information

Catalog Number:	98225-1-RR	GenBank Accession Number:	NM_007547.4	Purification Method:	Protein A purification
Size:	100ug, 1000 µg/ml	GenID (NCBI):	19261	CloneNo.:	241794D9
Source:	Rabbit	UNIPROT ID:	P97797-2	Recommended Dilutions:	FC: 0.25 ug per 10 ⁶ cells in 100 µl suspension
Isotype:	IgG	Full Name:	signal-regulatory protein alpha		
Immunogen Catalog Number:	EG1520	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).

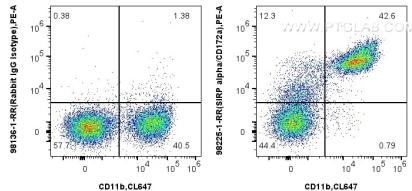
Storage

Storage:
Store at 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

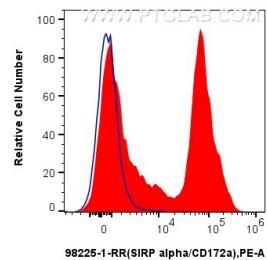
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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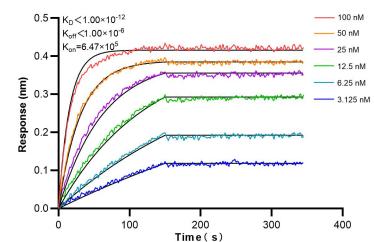
Selected Validation Data



1x10⁶ 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.



1x10⁶ 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.



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