

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	Purification Method: Protein A purification
Size: 1mg , 2 mg/ml	GeneID (NCBI): 19261	CloneNo.: 241794D9
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

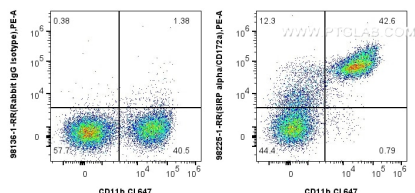
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

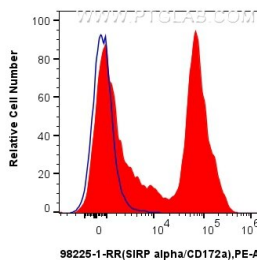
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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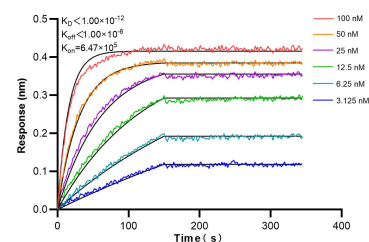
Selected Validation Data



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. This data was developed using the same antibody clone with 98225-1-



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. 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.