

For Research Use Only



CoraLite® Plus 647 Anti-Human SIRP Alpha/CD172a Rabbit Recombinant Antibody

Catalog Number: **CL647-98101**

Basic Information

Catalog Number: CL647-98101	GenBank Accession Number: NM_080792	Purification Method: Protein A purification
Size: 100tests , 5ul/test	GeneID (NCBI): 140885	CloneNo.: 240789E1
Source: Rabbit	UNIPROT ID: P78324	Recommended Dilutions: FC: 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: signal-regulatory protein alpha	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG0625	Calculated MW: 55 kDa	

Applications

Tested Applications:	Positive Controls:
Species Specificity: human	FC : human PBMCs,

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).

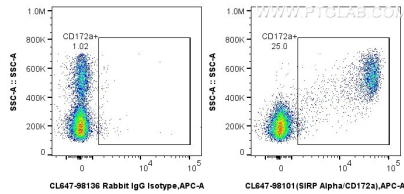
Storage

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

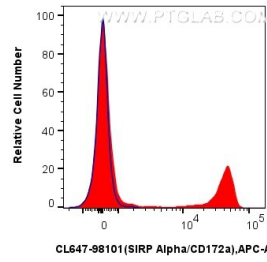
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human SIRP Alpha/CD172a Rabbit RecAb (CL647-98101, Clone: 240789E1) or CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human SIRP Alpha/CD172a Rabbit RecAb (CL647-98101, Clone: 240789E1) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.