

For Research Use Only

# SIRP Alpha/CD172a Polyclonal antibody, PBS Only

Catalog Number: 31485-1-PBS



## Basic Information

<b>Catalog Number:</b> 31485-1-PBS	<b>GenBank Accession Number:</b> NML_080792	<b>Purification Method:</b> Antigen affinity Purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 140885	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P78324	
<b>Immunogen Catalog Number:</b> EG0625	<b>Full Name:</b> signal-regulatory protein alpha	
	<b>Calculated MW:</b> 55 kDa	
	<b>Observed MW:</b> 65-100 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, FC (Intra), Indirect ELISA

**Species Specificity:**  
human

## 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.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:

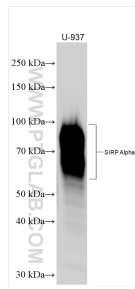
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

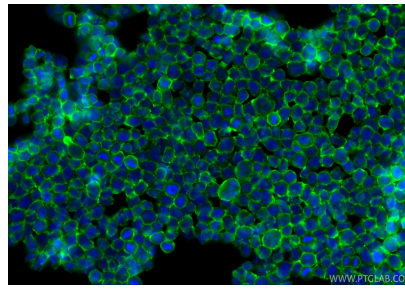
W: [ptgcn.com](http://ptgcn.com)

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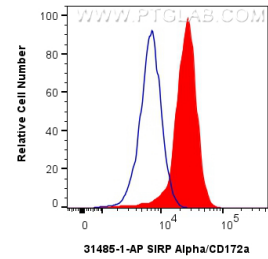
## Selected Validation Data



U-937 cells were subjected to SDS PAGE followed by western blot with 31485-1-AP (SIRP Alpha antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31485-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using SIRP Alpha/CD172a antibody (31485-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 31485-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> THP-1 cells were intracellularly stained with 0.25 ug SIRP Alpha/CD172a Polyclonal antibody (31485-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 31485-1-PBS in a different storage buffer formulation.

