

Datasheet for ABIN7275673
SIRPA Protein (Fc-Avi Tag,Biotin)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	SIRPA
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIRPA protein is labelled with Fc-Avi Tag,Biotin.

Product Details

Sequence:	Glu31-Arg370
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human CD47, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human SIRP alpha, hFc Tag with the EC50 of 0.16µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	SIRPA
Alternative Name:	SIRP alpha (SIRPA Products)
Background:	CD172a, BIT, MFR, MYD1, MYD-1, P84, PTPNS1, SHP substrate 1, SHPS1, SHPS-1, SHPS1CD172A, SIRP alpha, SIRPA, Sirp-alpha-1, SIRPalph2, Sirp-alpha-2, Sirp-alpha-3,Signal

Target Details

regulatory protein α (SIRP α) is a regulatory membrane glycoprotein from SIRP family expressed mainly by myeloid cells and also by stem cells or neurons. SIRP α acts as inhibitory receptor and interacts with a broadly expressed transmembrane protein CD47 also called the "don't eat me" signal. Cancer cells highly expressed CD47 that activate SIRP α and inhibit macrophage-mediated destruction.

Molecular Weight: 66.1 kDa. Due to glycosylation, the protein migrates to 78-90 kDa based on Tris-Bis PAGE result.

UniProt: [P78324](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu\text{g/mL}$ is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

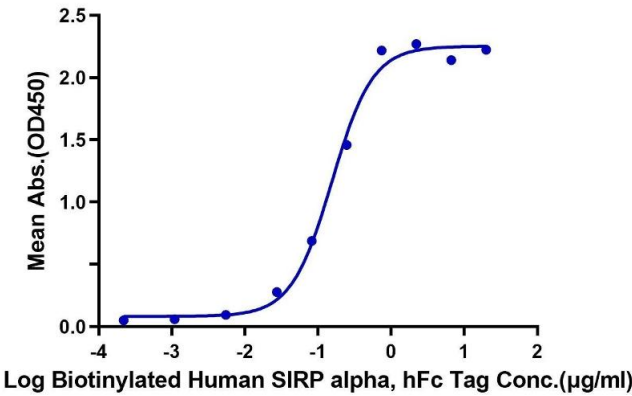
Buffer: Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4 °C, -80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

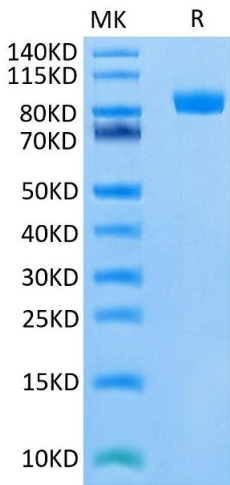
Expiry Date: 12 months

Biotinylated Human SIRP alpha, hFc Tag ELISA
0.1µg Human CD47, His Tag Per Well



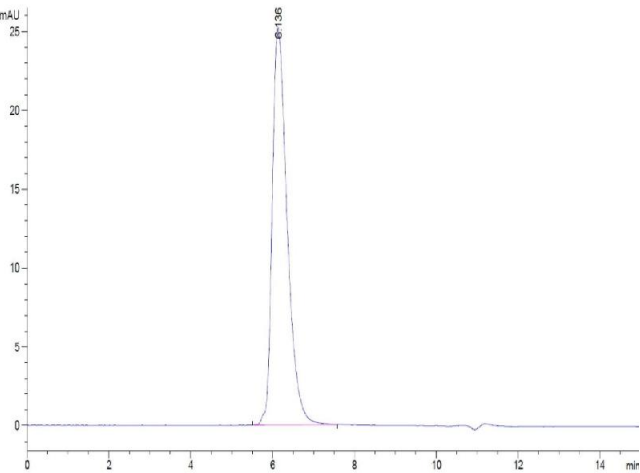
ELISA

Image 1. Immobilized Human CD47, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human SIRP alpha, hFc Tag with the EC50 of 0.16 µg/mL determined by ELISA.



SDS-PAGE

Image 2. Biotinylated Human SIRP alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Biotinylated Human SIRP alpha is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275673.