

Biotinylated Recombinant Human SIRP-alpha/CD172a Protein

Catalog No.: RP02561B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	140885	P78324 variant 6

Tags

C-His&Avi

Synonyms

CD172a; BIT; MFR; MYD1; MYD-1; P84; PTPNS1; SHP substrate 1; SHPS1; SHPS-1; SHPS1CD172A; SIRP alpha; SIRPA; Sirp-alpha-1; SIRPalha2; Sirp-alpha-2; Sirp-alpha-3

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
39.9 kD	60-65 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Signal regulatory protein α (SIRPα) is a regulatory membrane glycoprotein from SIRP family expressed mainly by myeloid cells and also by stem cells or neurons. SIRPα 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.

Basic Information

Description

Biotinylated Recombinant Human SIRP alpha V6 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Glu31-Arg370. (The difference with SIRP alpha is in amino acid number 105, change from Ser105 to Pro105.)

Bio-Activity

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

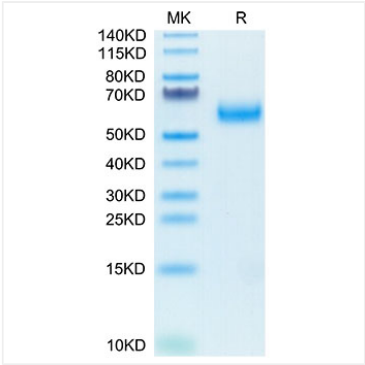
Avoid repeated freeze/thaw cycles.

Contact

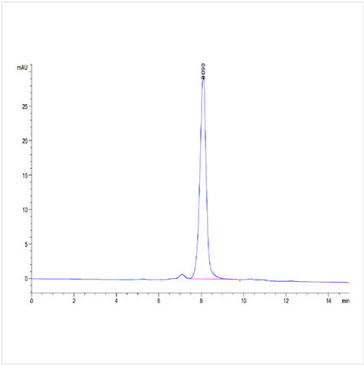
☎		400-999-6126
✉		cn.market@abclonal.com.cn
🌐		www.abclonal.com.cn

* 本文件内容仅供参考，不作为任何法律文件使用。

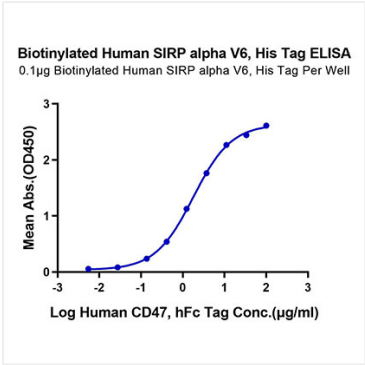
Validation Data



Biotinylated Recombinant Human SIRP-alpha/CD172a Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human SIRP alpha V6 is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Human SIRP alpha V6, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human CD47, hFc Tag with the EC₅₀ of 1.8µg/ml determined by ELISA.