

Catalog No.: RP01619 **Recombinant**

Species	Gene ID	Swiss Prot
Mouse	19261	P97797

Tags
C-hFC

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; SIRPA

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
63.86 kDa	90-120 kDa

< 0.1 EU/μg of the protein by LAL method.

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Centrifuge the vial 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.

Signal 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.

Recombinant Mouse SIRP- α /CD172a Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Lys32-Asn373) of mouse SIRP- α /CD172a (Accession #NP_001277948.1) fused with a hFc tag at the C-terminus.

Measured by its binding ability in a functional ELISA. Immobilized Human CD47 (Catalog: RP01306) at 2 µg/mL (100 µL/well) can bind Mouse CD172a (Catalog: RP01619) with a linear range of 1.2-55.3 ng/mL.

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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.

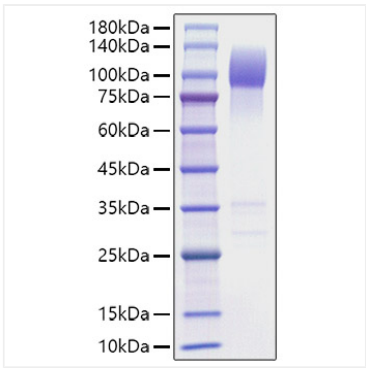
For your safety and health, please wear a lab coat and disposable gloves for handling.

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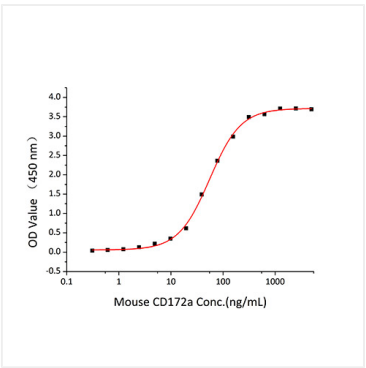
 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

Validation Data



Recombinant Mouse SIRP-alpha/CD172a
Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human CD47 (Catalog: RP01306) at 2 μ g/mL (100 μ L/well) can bind Mouse CD172a (Catalog: RP01619) with a linear range of 1.2-55.3 ng/mL.