Biotinylated Recombinant Human SIRP-gamma /CD172g Protein

Catalog No.: RP00310B

Sequence Information

Species
Human

Gene ID
55423

Swiss Prot
Q9P1W8

Tags
C-His&Avi

Synonyms
CD172g; FLJ42230; SIRP beta 2; SIRP gamma; SIRP-B2; SIRPG; Cripto-1; bA77C3.1; SIRP β 2

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW
39.7 kDa

Observed MW
48-53 kDa

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

Formulation
Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution
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 stablizer (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 gamma (SIRP gamma, designated CD172g), also called SIRP beta 2, is a monomeric 45-47 kDa type I transmembrane protein belonging to the SIRP/SHPS (CD172) family of the Ig superfamily.SIRP gamma is probable immunoglobulin-like cell surface receptor. On binding with CD47, mediates cell-cell adhesion. Engagement on T-cells by CD47 on antigen-presenting cells results in enhanced antigen-specific T-cell proliferation and costimulates T-cell activation.

Basic Information

Description
Biotinylated Recombinant Human SIRP-gamma/CD172g Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu29-Pro360) of Human SIRP-gamma/CD172g (Accession #Q9P1W8) fused with a C-His&Avi tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

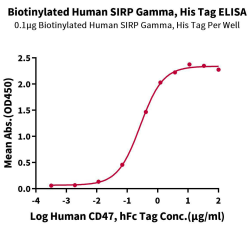
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

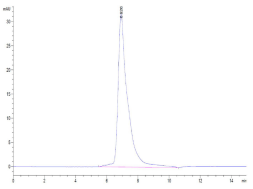
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

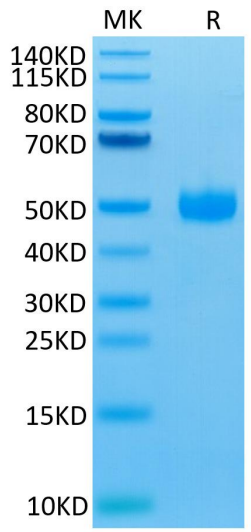
Validation Data



Immobilized Biotinylated Human SIRP Gamma, His Tag at 1 μg/mL (100 μL/well) on the streptavidin precoated plate (5 μg/mL). Dose response curve for Human CD47, hFc Tag with the EC_{50} of 0.27 μg/mL determined by ELISA.



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



Biotinylated Recombinant Human SIRP-gamma/CD172g Protein was determined by Tris-Bis PAGE under reducing conditions.