

Biotinylated Human SIRP gamma/CD172g Protein

Cat. No. SRP-HM40GB

Description

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|-------------------------|--|
| Source | Recombinant Biotinylated Human SIRP gamma/CD172g Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Glu29-Pro360. |
| Accession | Q9P1W8 |
| Molecular Weight | The protein has a predicted MW of 39.7 kDa. Due to glycosylation, the protein migrates to 48-53 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

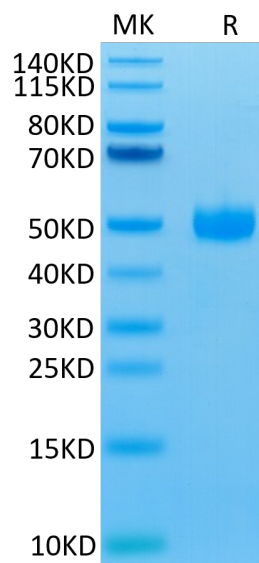
| | |
|--------------------|--|
| Formulation | Supplied as 0.22µm filtered solution in PBS (pH 7.4). |
| Storage | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

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.

Assay Data

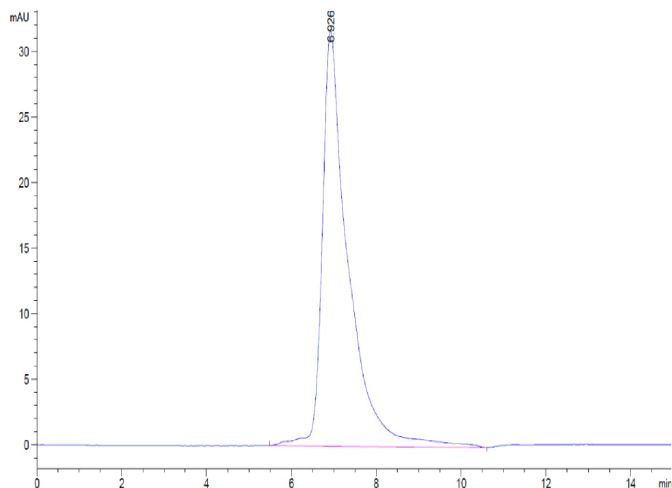
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

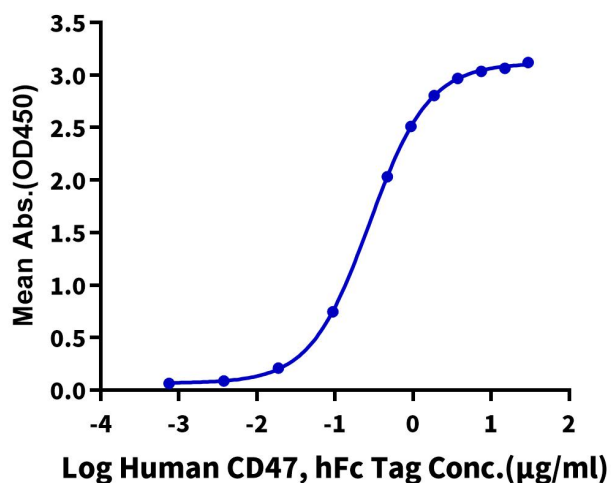


The purity of Biotinylated Human SIRP gamma is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human SIRP gamma, His Tag ELISA

0.2µg Biotinylated Human SIRP gamma, His Tag Per Well



Immobilized Biotinylated Human SIRP Gamma, His Tag at 2µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human CD47, hFc Tag with the EC50 of 0.28µg/ml determined by ELISA.