

Recombinant Human TREM-1/CD354 Protein

Catalog No.: RP00319 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	54210	Q9NP99

Tags

C-His

Synonyms

CD354; TREM-1

Product Information

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

Calculated MW	Observed MW
21.4 kDa	40-60 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

TREM1 (Triggering Receptor Expressed on Myeloid Cells 1) is a pro-inflammatory receptor expressed by phagocytes, which can also be released as a soluble molecule (sTREM1). The roles of TREM1 and sTREM1 in liver infection and inflammation are not clear.

Basic Information

Description

Recombinant Human TREM-1/CD354 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala21-Arg200) of Human TREM1 (Accession #Q9NP99) fused with a C-His tag at the C-terminus.

Bio-Activity

Shipping

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

Storage

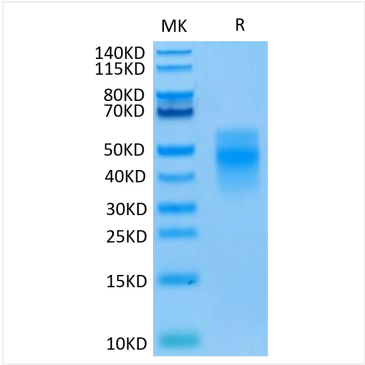
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Operational Notes

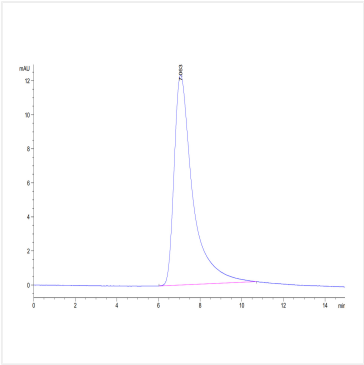
For your safety and health, please wear a lab coat and disposable gloves for handling.



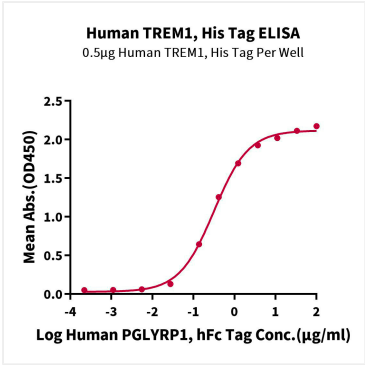
Validation Data



Recombinant Human TREM-1/CD354 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human TREM1 is greater than 95% as determined by SEC-HPLC.



Immobilized Human TREM1, His Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Human PGLYRP1, hFc Tag with the EC₅₀ of 0.32 µg/mL determined by ELISA.