Leader in Biomolecular Solutions for Life Science

www.abclonal.com

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% by SDS-PAGE> 95% by HPLC

Calculated MW	Observed MW

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.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

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.

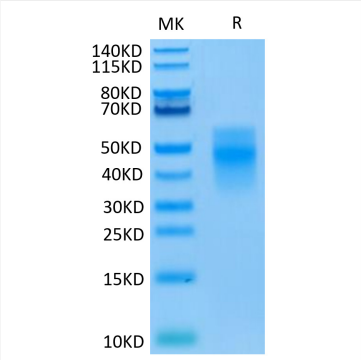
Basic Information

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.

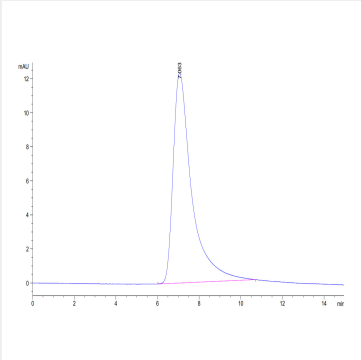
Bio-Activity

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

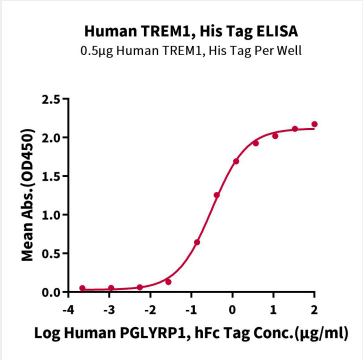
Validation Data



Human TREM1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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 EC_{50} of 0.32 μg/mL determined by ELISA.