Biotinylated Recombinant Human TNFRSF10A/DR4 /TRAIL-R1/CD261 Protein

Catalog No.: RP02083B

Sequence Information

Species
Human

Gene ID
8797

Swiss Prot
O00220

Tags
C-His&Avi

Synonyms
TNFRSF10A,APO2,CD261,DR4, TRAILR-1,TRAILR1

Product Information

Source
HEK293 cells

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

Calculated MW
24.7 kDa

Observed MW
25-30 kDa

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

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

Reconstitution
Centrifuge the tube 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

Tumor necrosis factor receptor superfamily member 10A (TNFRSF10A) is also known as TNF-related apoptosis-inducing ligand receptor 1 (TRAIL-R1), Death receptor 4 (DR4), CD261 and APO2, which belongs to TNF superfamily. The expression of apoptosis-inducing TRAIL-R1 and TRAIL-R2 and of the decoy receptors TRAIL-R3 and TRAIL-R4 was systematically studied in all developmental stages of peripheral B cells isolated from the blood and secondary lymphoid organs. Expression of TRAIL-Rs is modulated along development, with highest levels observed in germinal center B cells.

Basic Information

Description
Biotinylated Recombinant Human TNFRSF10A/DR4/TRAIL-R1/CD261 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Pro34-Asn239) of Human TNFRSF10A/DR4/TRAIL-R1/CD261 fused with His tag and 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℃

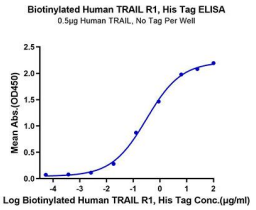
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

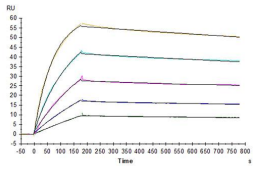
400-999-6126
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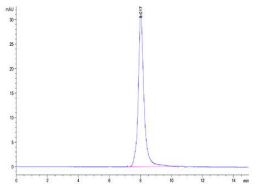
Validation Data



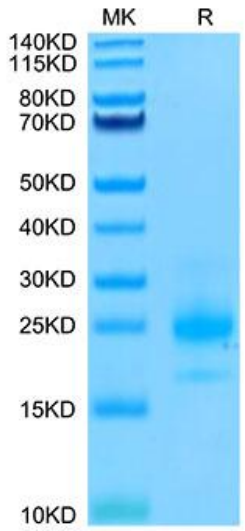
Immobilized Human TRAIL, No Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Human TRAIL R1, His Tag with the EC_{50} of 0.31μg/ml determined by ELISA.



Biotinylated Human TRAIL R1, His-Avi Tag immobilized on CM5 Chip can bind Human TRAIL, No Tag with an affinity constant of 0.315 nM as determined in SPR assay (Biacore T200).



The purity of Biotinylated Human TRAIL R1 is greater than 95% as determined by SEC-HPLC.



Biotinylated Recombinant Human TNFRSF10A/DR4/TRAIL-R1/CD261 Protein was determined by Tris-Bis PAGE under reducing conditions.