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Recombinant Human TNFSF10/TRAIL/CD253 Protein

Catalog No.: RP01541 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	8743	P50591

Tags
No tag

Synonyms
TNFSF10;APO2L;Apo-2L;CD253;TL2;TNLG6A;TRAIL

Product Information

Source
E. coli

Purification
> 95% by SDS-PAGE.

Endotoxin
<0.1EU/μg

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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.

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Background

Tumor necrosis factor ligand superfamily member 10 (TNFSF10), also known as TNF-related apoptosis-inducing ligand (TRAIL), Apo-2 ligand, and CD253, is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. TNFSF10 / Apo-2L / CD253 functions as a ligand that induces the process of cell death called apoptosis. TNFSF10 / TRAIL shows homology to other members of the tumor necrosis factor superfamily. As one member of the cluster of differentiation system, TNFSF10 / CD253 is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified.

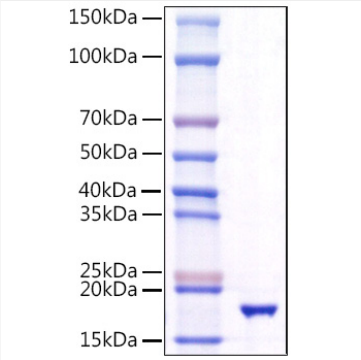
Basic Information

Description
Recombinant Human TNFSF10/TRAIL/CD253 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Val114-Gly281) of human TNFSF10/TRAIL/CD253 (Accession #NP_003801.1) fused with no additional amino acid.

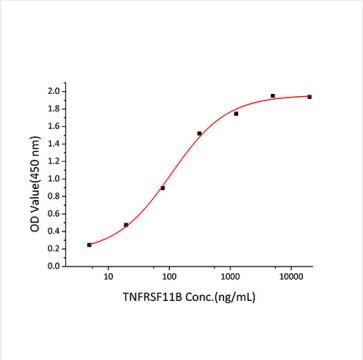
Bio-Activity
Immobilized Human TNFSF10 Protein at 5 μg/mL (100 μL/well) can bind HumanTNFRSF11B with a linear range of 0.0012-107.86 ng/mL.

Storage
Store the lyophilized protein at -20°C to -80°C for 12 months.
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.

Validation Data



Recombinant Human TNFSF10/TRAIL/CD253 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 18kDa.



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