Recombinant Human TNFSF10/TRAIL/CD253 Protein

Catalog No.: RP01541

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Sequence Information

Species	Gene ID
Human	8743
Swiss Prot	**Tags**
P50591	No tag

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

Product Information

Source	Purification
E. coli	≥ 95 % as determined by SDS-PAGE.
Calculated MW	**Observed MW**
19.50 kDa	18 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

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.

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.

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.

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℃

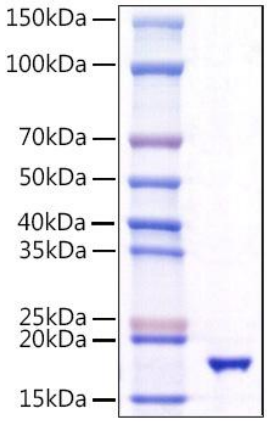
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

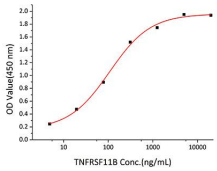
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Validation Data



Recombinant Human TNFSF10/TRAIL/CD253 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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