

RP00766

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Recombinant Mouse TNFSF9/4-1BB Ligand Protein

Catalog No.: RP00766

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	21950	P41274

Tags

N-His

Synonyms

Tumor necrosis factor ligand superfamily member 9; 4-1BB ligand; 4-1BBL; Tnfsf9; Cd137l; Cd157l; Ly63l; TNFSF9

Product Information

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

Endotoxin

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

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4. 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 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



www.abclonal.com

Background

Tumor necrosis factor ligand superfamily member 9, also known as 4-1BBL, is a member of the tumor necrosis factor family. Mouse 4-1BBL cDNA encodes a 309 amino acid residues (aa) protein with an 82 aa N-terminal cytoplasmic domain, a 21 aa transmembrane domain and a 206 aa C-terminal extracellular domain. The extracellular domain of 4-1BBL has a tertiary structure similar to that of other TNFSF members, but shares only low aa sequence homology (14-16%). 4-1BBL is predominantly expressed on activated antigen presenting cells (APCs) such as B cells, macrophages and dendritic cells (DCs). It is also expressed on most T and B lymphoma cell lines. TNFSF9 has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation. This cytokine has also been shown to be required for the optimal CD8 responses in CD8 T cells, and is thought to be involved in T cell-tumor cell interaction.

Basic Information

Description

Recombinant Mouse TNFSF9/4-1BB Ligand Protein is produced by Human cells expression system. The target protein is expressed with sequence (Arg104-Glu309) of mouse TNFSF9/4-1BB Ligand (Accession #P41274) fused with a His tag at the N-terminus.

Bio-Activity

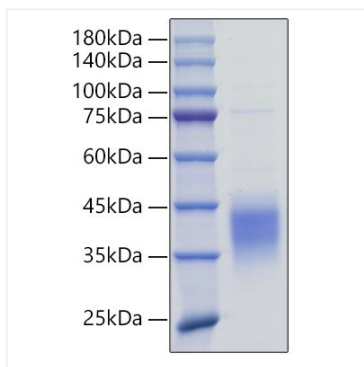
Measured by its binding ability in a functional ELISA. Immobilized Mouse TNFSF9 (Catalog: RP00766) at 5 μg/mL (100 μL/well) can bind Mouse TNFSF9/4-1BB/CD137 (Catalog: RP01560) with a linear range of 0.01-1.41 ng/mL.

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.

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

Validation Data



Recombinant Mouse TNFSF9/4-1BB
Ligand Protein was determined by
SDS-PAGE under reducing conditions
with Coomassie Blue.