

Recombinant Human TNFSF9/4-1BB Ligand Protein

Catalog No.: RP02246 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	8744	P41273

Tags

N-mFc&C-His

Synonyms

4-1BB-L; CD137L;
TNLG5A;TNFSF9;CD137L;TNLG5A

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

Formulation

Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 19 % trehalose is added
as protectants before lyophilization.

Reconstitution

Reconstitute with deionized water

Background

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This transmembrane cytokine is a bidirectional signal transducer that acts as a ligand for TNFRSF9/4-1BB, which is a costimulatory receptor molecule in T lymphocytes. This cytokine and its receptor are involved in the antigen presentation process and in the generation of cytotoxic T cells. The receptor TNFRSF9/4-1BB is absent from resting T lymphocytes but rapidly expressed upon antigenic stimulation. The ligand encoded by this gene, TNFSF9/4-1BBL, 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. This cytokine is expressed in carcinoma cell lines, and is thought to be involved in T cell-tumor cell interaction.

Basic Information

Description

Bio-Activity

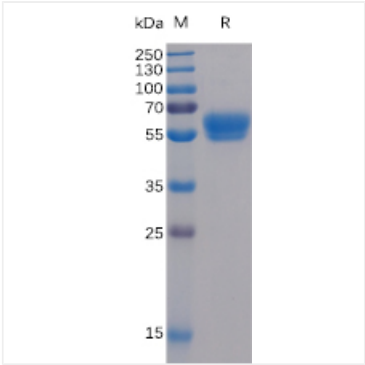
Storage

Store the lyophilized protein at -20°C to -80°C for long term.
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.

Contact

 | www.abclonal.com

Validation Data



Recombinant Human TNFSF9/4-1BB
Ligand Protein was determined by SDS-
PAGE with Coomassie Blue, showing bands
at 53-70 kDa