

4-1BBL/TNFSF9
Catalog # PVGS1635**Specification**

4-1BBL/TNFSF9 - Product Information

Primary Accession [P41273](#)
Species
Human

Sequence
Arg71-Glu254

Purity
> 95% as analyzed by SDS-PAGE

Endotoxin Level
≤ 1 EU/ µg of protein by LAL method

Expression System
E. coli

Formulation **Lyophilized from a 0.2 µm filtered solution in 20 mM Tris-HCl, 150 mM NaCl, pH 7.4.**

Reconstitution
It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in distilled water up to 100 µg/ml.

Storage & Stability
Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4-7°C and up to 3 months at -20°C or below. Avoid repeated freeze-thaw cycles.

4-1BBL/TNFSF9 - Additional Information

Gene ID 8744

Other Names
Tumor necrosis factor ligand superfamily member 9, 4-1BB ligand, 4-1BBL, TNFSF9

Target Background
Tumor necrosis factor ligand superfamily member 9(4-1BBL) is single-pass type II membrane protein which is a member of the the tumor necrosis factor family. 4 1BBL is a 254 amino acids cytokine that is expressed in brain, placenta, lung, skeletal muscle and kidney. TNFSF9 has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation. This cytokine may have a role in activation-induced cell death (AICD) and cognate interactions between T-cells and B-cells/macrophages. It 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.

4-1BBL/TNFSF9 - Protein Information

Name TNFSF9

Function

Cytokine that binds to TNFRSF9. Induces the proliferation of activated peripheral blood T-cells. May have a role in activation- induced cell death (AICD). May play a role in cognate interactions between T-cells and B-cells/macrophages.

Cellular Location

Membrane; Single-pass type II membrane protein.

Tissue Location

Expressed in brain, placenta, lung, skeletal muscle and kidney

4-1BBL/TNFSF9 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

4-1BBL/TNFSF9 - Images