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4-1BBL/TNFSF9

Catalog # PVGS1635

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.

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.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.