4-1BBL/TNFSF9 Protein, Human (Biotinylated, HEK293, Fc-Avi)

Cat. No.:	HY-P78933
Synonyms:	4-1BB Ligand; TNFSF9; CD137L
Species:	Human
Source:	HEK293
Accession:	P41273 (A50-E254)
Gene ID:	8744
Molecular Weight:	50-55 kDa

PROPERTIES

Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human 4-1BB at 0.1 μg/mL can bind Biotinylated Human 4-1BB Ligand. The EC_{50} is 2.943-3.928 ng/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized a 0.22 μm filtered solution of PBS,6% Trehalose, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The 4-1BBL (TNFSF9) protein is a cytokine with significant immunomodulatory functions, binding to the TNFRSF9 receptor. Its interaction induces the proliferation of activated peripheral blood T-cells, suggesting a role in T-cell activation and immune response amplification. Additionally, 4-1BBL may be involved in activation-induced cell death (AICD), a process that regulates the survival and homeostasis of activated immune cells. Furthermore, the protein might play a role in mediating cognate interactions between T-cells and B-cells/macrophages, contributing to immune cell communication and coordination. Structurally, 4-1BBL forms homotrimers, indicating its organization into trimeric complexes. These diverse functions underscore the pivotal role of 4-1BBL in immune regulation and intercellular communication within the immune system.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA