

**RMCM055**

**Recombinant 41BBL (41BB ligand), Mouse , AF**



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☐ 5ug;20ug;100ug;500ug;

### **Synonym/Alternative name(s):**

4-1BB, 4-1BB-, 4-1BB-L, 4-1BBL, AI848817, Cd137, Cd137l, Ly6, Ly63l, tumor necrosis factor (ligand) superfamily, member 9 , Tnfsf9

### **Activity:**

Measure by its ability to induce IL-2 secretion in mouse T cells in the presence of the anti-CD3 antibody.

The ED50 for this effect is <0.05 µg/mL.

### **Protein Description:**

4-1BB Ligand Human Recombinant protein. 4-1BBL is a transmembrane cytokine that is part of the tumor necrosis factor (TNF) ligand family. Recombinant human 4-1BB ligand is intended for use in cell culture applications. 4-1BBL and its interaction with 4-1BB is involved in the antigen presenting process, proliferation of CD4 and CD8 positive T-cells, as well as cytokine secretion from T-cells.

**Protein Accession :** P41274

**Gene ID :** 21950

### **Expression Sequence:**

MRTEPRPALTTITSPNLGTRENNADQVTPVSHIGCPNTTQQGSPVFAKLLAKNQASLCNTTLNWHSQDGAGSSYLSQGLRYEEDKKEL  
VVDSPGLYYVFLELKLSPFTNTGHKVQGWVSLVLQAKPQVDDFDNLALTVELFPCSMENKLVDRSWSQLLLKAGHRLSVGLRAYLHG  
AQDAYRDWELSYNTTSFGLFLVKPDNPWE with polyhistidine tag at the C-terminus.

**Fusion tag :** His-tag?at?the?C-terminus

**Species :** Mouse

**Reactivity :** Mouse

**Expression Host :** Escherichia coli

**Source :** E. coli

### **Purity/method:**

>95% as determined by SDS-PAGE.

Ni-NTA chromatography.

### **Endotoxin level:**

<0.1 EU per 1 µg of the protein by the LAL method.

**Calculated Molecular Weight :** 23.91 kDa

### **Formulation:**

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

### **Reconstitution:**

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

**Shipping :** Blue Ice

**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

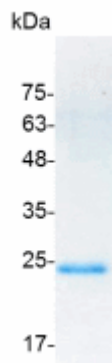
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

**Category :** Cytokines

**Application :** Cell culture, Elisa

**Image:**



SDS- PAGE analysis of recombinant mouse 41BBL