

CHAMOT

Recombinant 4-1BBL, Mouse, Animal-Free

CM055-5MP

CM055-20MP

CM055-100MP

CM055-500MP

CM055-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines



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Recombinant 4-1BBL, Mouse, Animal-Free

Catalog#	CM055-5MP	CM055-20MP	CM055-100MP	CM055-500MP	CM055-1000MP
Size	5 ug	20 ug	100 ug	500 ug	1 mg

Product Specifications

Background 4-1BB ligand (4-1BBL) is a type II transmembrane protein that is part of the tumor necrosis factor (TNF) ligand family. As an inducible co-stimulatory molecule, it presents on several antigen presenting cell (APC) types, including B cells, macrophages and DCs. The interactions between 4-1BB and 4-1BBL trigger pleiotropic effects on the immune response including antigen presenting process, proliferation of CD4 and CD8 positive T-cells, as well as cytokine secretion from T-cells through NFκB, c-Jun, and p38 downstream signal pathways activation. Therefore, 4-1BB and 4-1BBL are recently used for the immunotherapy of cancer.

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

Uniprot ID P41274

Molecular Weight The protein has a calculated MW of 23.9 kDa. The protein migrates as 24 kDa under reducing condition (SDS-PAGE analysis).

Expression System Escherichia coli

Purity >95% as determined by SDS-PAGE.

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.

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

Protein Sequence MRTEPRPALTITTSPNLGTRENNADQVTPVSHIGCPNTTQQGSPVFAKLLAKNQASLCNTT
LNWHSQDGAGSSYSLSQGLRYEEDKKELVVDSPGLYYVFLELKLSPTFTNTGHKVQGWVSLV
LQAKPQVDDFDNLALTVELFPCSMENKLVDRSWSQLLLLKAGHRLSVGLRAYLHGAQDAY
RDWELSYPNNTTSFGLFLVKPDNPWE with polyhistidine tag at the C-terminus.

Form The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

Product Note

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Storage/Shipping

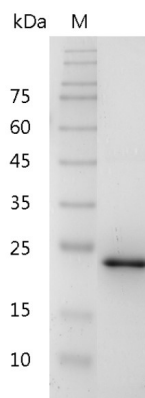
Stability & Storage

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. Avoid repeated freeze/thaw cycles.

Shipping

Blue Ice

Scientific Data



SDS- PAGE analysis of recombinant mouse 41BBL

For Research Use or Further Manufacturing Only

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