

Mouse recombinant CD27L (CD27 ligand) protein, AF

Catalog Number: PROTO55237

Overview

Product Name	Mouse recombinant CD27L (CD27 ligand) protein, AF
Description	CD27L is also named for CD70 which is one member of TNF family. CD27L is expressed on T and B lymphocytes and mature DCs. It binds the CD27, which is on the antigen-presenting cells. CD27L is a 19.2 kDa cytokine with 148 amino acid residues which is a transmembrane glycoprotein. CD27L plays an important role in the regulation of T cell proliferation which is also a good target of cancer immunotherapy.
Size	5ug,20ug,100ug
Tag	His Tag (N-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

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.

Purity

>98% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 17.25 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce proliferation in mouse T cells in the presence of the anti-CD3 antibody. The ED₅₀ for this effect is <4.5 ug/mL.

Endotoxin

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

Amino Acid Sequence

QQQRLLHPEPHTAELQLNLTVPKDPTRLRWGAGPALGRSFTHGPELEEGHLRIHQDGLYRLHIQVTLANCSSPGSTLQHRATLAVGICSPA AHGISLLR
GRFGQDCTVALQRLTYLVHGDVLTNLTLPLPSRNADETFFGVQWICP with polyhistidine tag at the N-terminus.

Reconstitution

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 ug/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.

Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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