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Human recombinant CD30L (CD30 ligand) protein, AF

Catalog Number: PROTP32971-5

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Overview

Product Name	Human recombinant CD30L (CD30 ligand) protein, AF
Description	Human CD30L is also named for CD153 and TNFSF8 which is one member of TNF family. Human CD30L is expressed on T cells. It binds the CD30, which is on some lymphoma cell lines. Human CD30L is a 30 kDa cytokine with 171 amino acid residues which is a transmembrane glycoprotein. Human CD30L plays an important role in the regulation of cell proliferation, activation and apoptosis. Human CD30L is a good target of cell therapy in inflammatory diseases.
Size	5ug,20ug,100ug
Tag	His Tag (C-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 20.57 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce IL-8 secretion in human PBMCs using a concentration range of 10 - 100 ng/mL. Note: Results may vary from

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different PBMC donors.

Endotoxin

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

Amino Acid Sequence

MQRTDSIPNSPDNVPLKGGNCSEDLLCILKRAPFKKSWAYLQVAKHLNKTKLSWNKDGILHGVRYQDGNLVIQFPGLYFIICQLQFLVQCPNNSVDLKL ELLINKHIKKQALVTVCESGMQTKHVYQNLSQFLLDYLQVNTTISVNVDTFQYIDTSTFPLENVLSIFLYSNSD with polyhistidine tag at the C-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H_2O 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.

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Usage

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