Biotinylated Human CD40 Ligand/TNFSF5 Trimer Protein (Primary Amine Labeling)

Cat. No. CDL-HM140B

Description

Source	Recombinant Biotinylated Human CD40 Ligand/TNFSF5 Trimer Protein (Primary Amine Labeling) is expressed from HEK293 with His tag and Flag tag at the N-Terminus.
	It contains Met113-Leu261.
Accession	P29965
Molecular Weight	The protein has a predicted MW of 52.4 kDa, Due to glycosylation, the protein migrates to 55-60 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

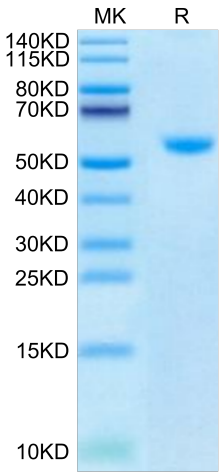
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CD40 ligand or CD40L, also called CD154, is a protein that is primarily expressed on activated T cells and is a member of the TNF superfamily of molecules. It binds to CD40 (protein) on antigen-presenting cells (APC), which leads to many effects depending on the target cell type. In total CD40L has three binding partners: CD40, α5β1 integrin and αIIbβ3. CD154 acts as a costimulatory molecule and is particularly important on a subset of T cells called T follicular helper cells.

Assay Data

Tris-Bis PAGE



Biotinylated Human CD40 Ligand Trimer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

For Research Use Only

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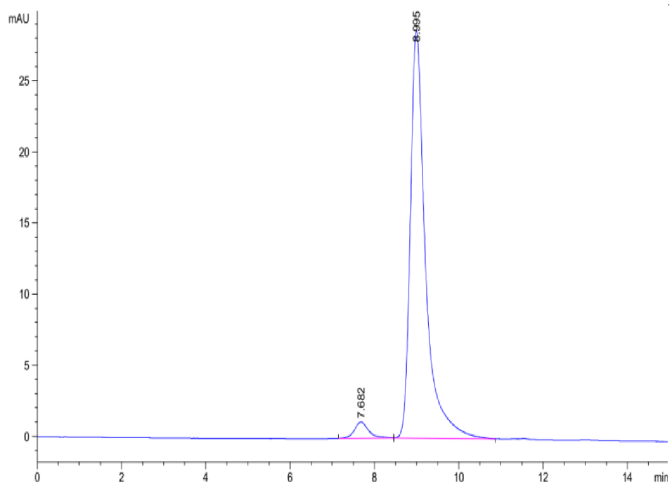
Assay Data

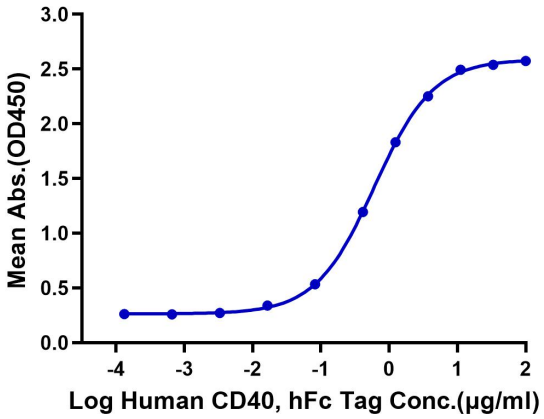


The purity of Biotinylated Human CD40 Ligand Trimer is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human CD40 Ligand (Trimer), His Tag ELISA

0.2μg Biotinylated Human CD40 Ligand (Trimer), His Tag Per Well



Immobilized Biotinylated Human CD40 Ligand Trimer, His Tag at 2μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Human CD40, hFc Tag with the EC50 of 0.61μg/ml determined by ELISA.

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