

Human CD40 Ligand/TNFSF5 Protein

Cat. No. CDL-HE14L

Description

Source	Recombinant Human CD40 Ligand/TNFSF5 Protein is expressed from E.coli with His tag at the C-terminus. It contains Gln114-Leu261.
Accession	P29965
Molecular Weight	The protein has a predicted MW of 17.15 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

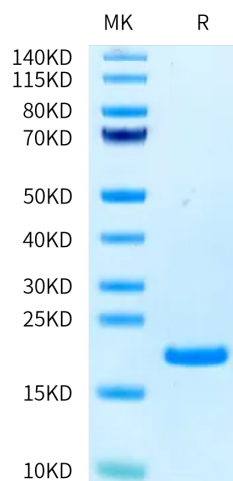
Formulation	Supplied as 0.22 µm filtered solution in PBS, 10% glycerol (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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

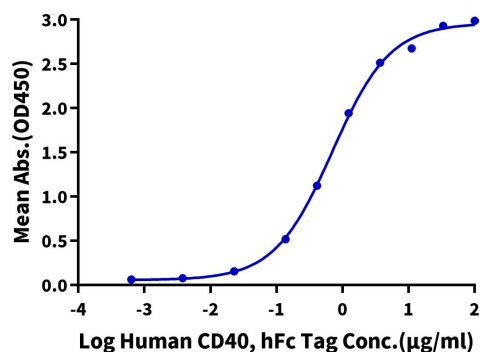


Human CD40 Ligand on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human CD40 Ligand, His Tag ELISA

0.5µg Human CD40 Ligand, His Tag Per Well



Immobilized Human CD40 Ligand, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human CD40, hFc Tag with the EC50 of 0.7µg/ml determined by ELISA.