

Datasheet for ABIN7274319  
**CD40 Ligand Protein (CD40LG) (Trimer) (His-DYKDDDDK Tag,Biotin)**



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5 Images

Overview

Quantity:	100 µg
Target:	CD40 Ligand (CD40LG)
Protein Characteristics:	Trimer
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD40 Ligand protein is labelled with His-DYKDDDDK Tag,Biotin.

Product Details

Sequence:	Met113-Leu261
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	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 0.77µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CD40 Ligand (CD40LG)
Alternative Name:	CD40 Ligand ( <a href="#">CD40LG Products</a> )

## Target Details

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Background:	CD40L, CD40LG, CD154, TNFSF5, TNFSF5IMD3, CD40LIGM, gp39, HIGM1, T-BAM, TRAP, IGM, IMD3, CD40 Ligand, 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, $\alpha 5\beta 1$ integrin and $\text{aIIb}\beta 3$ . CD154 acts as a costimulatory molecule and is particularly important on a subset of T cells called T follicular helper cells.
Molecular Weight:	52.4 kDa, Due to glycosylation, the protein migrates to 55-60 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P29965</a>
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Cancer Immune Checkpoints</a>

## Application Details

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Restrictions:	For Research Use only
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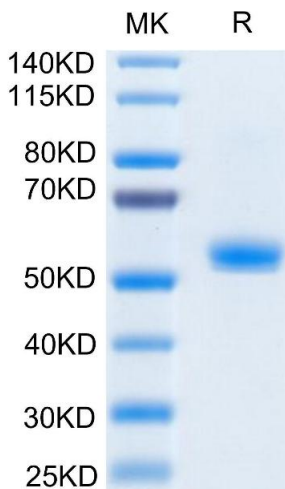
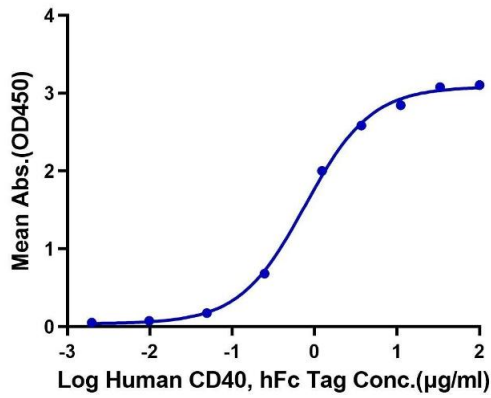
## Handling

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Format:	Liquid
Buffer:	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
Storage:	-80 °C
Storage Comment:	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 do not repeated freeze-thaw cycles.
Expiry Date:	12 months

**Biotinylated Human CD40 Ligand Trimer, His Tag ELISA**

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

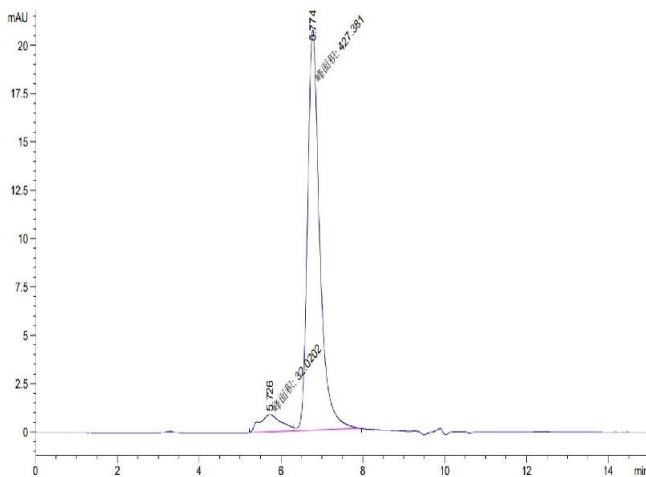


**ELISA**

**Image 1.** Immobilized Biotinylated Human CD40 Ligand Trimer, His Tag at 2 µg/mL (100 µL/well) on the streptavidin precoated plate (5 µg/mL). Dose response curve for Human CD40, hFc Tag with the EC50 of 0.77 µg/mL determined by ELISA.

**SDS-PAGE**

**Image 2.** Biotinylated Human CD40L on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 3.** The purity of Biotinylated Human CD40L is greater than 90 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7274319.