

Human CD40L Protein; His Tag (Trimer Design)

Product Information

Product Name	Human CD40L Protein; His Tag (Trimer Design)
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88915RP-100 / 100 μg GM-88915RP-1000 / 1 mg

Protein Information

Alternative Names	CD40LG, CD154, HIGM1, IGM, IMD3, T-BAM, TNFSF5, TRAP, gp39
Source	Human CD40L Protein; His Tag (Trimer Design) (GM-88915RP) is expressed from human 293 cells (HEK-293). It contains AA Gly 116 - Leu 261 (Accession # P29965). This protein carries a His tag at the N-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	50.1 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Description	CD40L is a receptor ligand, also known as CD154. It is a membrane protein mainly expressed by activated T cells. CD40L binds to the CD40 receptor, and this binding plays an important role in the immune system, particularly in the activation of B cells and antibody production. This signaling pathway is crucial for the normal functioning of the immune system. CD40L has also been found in other cell types, such as macrophages and dendritic cells. Due to its significant role in immune regulation, CD40L has become a focus of research and drug development.

Figures

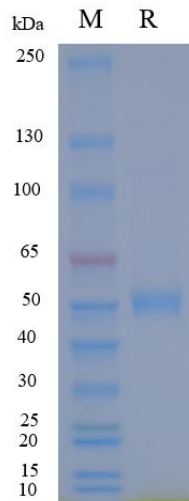


Figure 1 | On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

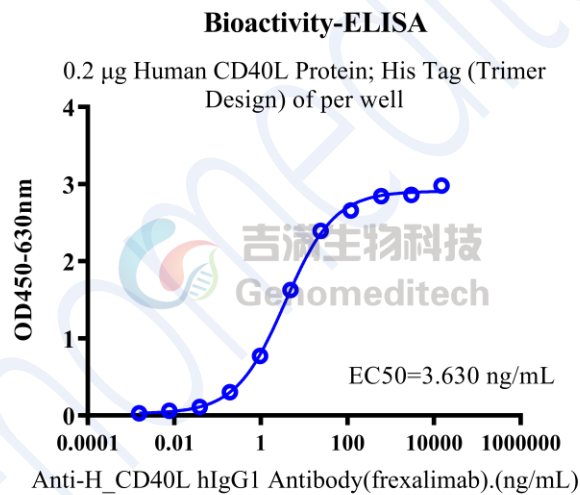


Figure 2 | Human CD40L Protein; His Tag (Trimer Design) (Catalog # GM-88915RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-H_CD40L hIgG1 Antibody(frexalimab) (Catalog # GM-83978AB) were added.

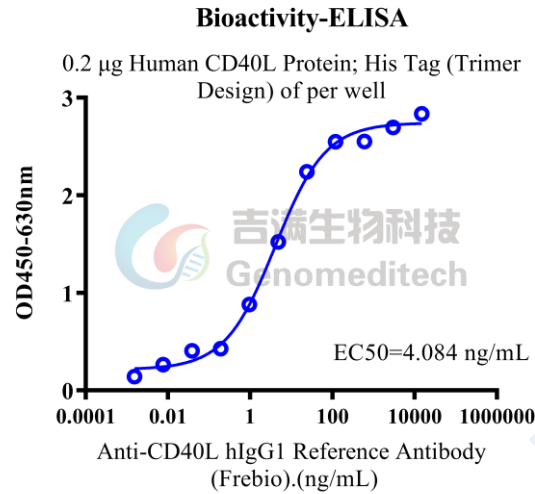


Figure 3 | Human CD40L Protein; His Tag (Trimer Design) (Catalog # GM-88915RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-CD40L hIgG1 Reference Antibody (Frebio) (Catalog # GM-87982MAB) were added.

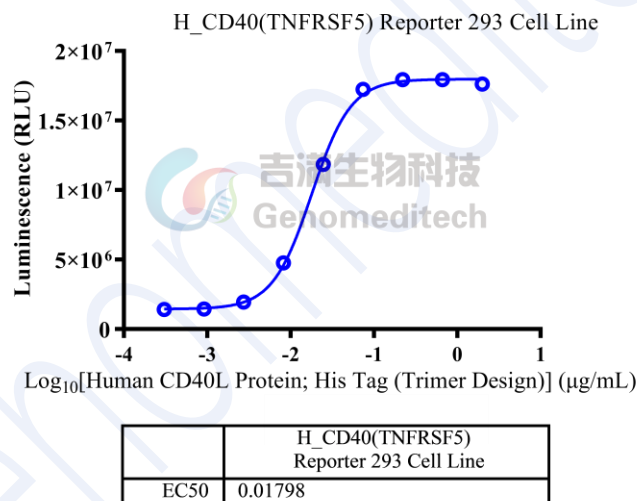


Figure 4 | Human CD40L Protein; His Tag (Trimer Design) (Catalog # GM-88915RP) was added into HH_CD40(TNFRSF5) Reporter 293 Cell Line (Catalog # GM-C03829) and stimulates related signals.

Related Products

CD40:CD40L	
H_CD40(TNFRSF5) Reporter 293 Cell Line	H_CD40(TNFRSF5) Reporter Jurkat Cell Line
Cynomolgus_CD40 CHO-K1 Cell Line	Cynomolgus_CD40L CHO-K1 Cell Line
H_CD40(TNFRSF5) CHO-K1 Cell Line	H_CD40(TNFRSF5) HEK-293 Cell Line
H_CD40L CHO-K1 Cell Line	H_CD40L HEK-293 Cell Line
Mouse_CD40L CHO-K1 Cell Line	Rabbit_CD40L NIH-3T3 Cell Line
Anti-CD40 hIgG1 Reference Antibody (Sotibio)	Anti-CD40 hIgG1 Reference Antibody (Tenebio)
Anti-CD40L hIgG1 Reference Antibody (Frebio)	Anti-H_CD40 hIgG1 Antibody(APX005M)
Anti-H_CD40 hIgG1 Antibody(ravagalimab)	Anti-H_CD40L hIgG1 Antibody(dapirolizumab)
Anti-H_CD40L hIgG1 Antibody(frexalimab)	
Biotinylated Human CD40 Protein; His-Avi Tag	Cynomolgus CD40 Protein; His Tag
Human CD40 Protein; His Tag	Human CD40L Protein; His Tag
IFN-α	
IFNα Reporter HEK-293 Cell Line	IFNα Reporter MDCK Cell Line
IFNα Reporter THP1 Cell Line	
BCMA:BAFFR:TACI	
H_BAFFR Jurkat Blockade Reporter Cell Line	H_BAFFR Reporter Cell Line
H_BCMA Reporter 293 Cell Line	H_BCMA Reporter Cell Line
H_TACI Reporter Cell Line	Cynomolgus_BCMA CHO-K1 Cell Line
Cynomolgus_BCMA CHO-K1 Cell Line (Low Expression)	Cynomolgus_BCMA HEK-293 Cell Line
H_BAFFR CHO-K1 Cell Line	H_BAFFR HEK-293 Cell Line
H_BCMA CHO-K1 Cell Line (Low Expression)	H_BCMA HEK-293 Cell Line
Membrane Bound H_APRIL(Trimer) HEK-293 Cell Line	
Anti-BAFF hIgG1 Antibody(belimumab)	Anti-BAFFR hIgG1 Antibody(ianalumab)
Anti-BCMA hIgG1 Antibody(Belantamab)	Anti-BCMA hIgG1 Antibody(SEA-BCMA)
Anti-BCMA hIgG4 Antibody(BCMB69)	Anti-CD3E×BCMA hIgG4 Reference Antibody (Tecbio)
Anti-TNFSF13B(BAFF) hIgG1 Reference Antibody (Belibio)	
Biotinylated Human BAFF Protein; His-Avi Tag	Biotinylated Human BCMA Protein; His-Avi Tag
Cynomolgus BAFF Protein; His Tag	Cynomolgus BCMA Protein; hFc Tag
Cynomolgus BCMA Protein; His Tag	Human APRIL Protein; hFc Tag
Human BCMA Protein; hFc Tag	Human BCMA Protein; His Tag
Mouse BAFF Protein; His Tag	
BDCA2(CLEC4C)	
H_BDCA2 Reporter DDX35TM Jurkat Cell Line	H_BDCA2 Reporter Jurkat Cell Line
Cynomolgus_BDCA2 CHO-K1 Cell Line	Cynomolgus_BDCA2 Jurkat Cell Line
H_BDCA2 CHO-K1 Cell Line	H_BDCA2 HEK-293 Cell Line
H_BDCA2 Jurkat Cell Line	
Anti-H_BDCA2 hIgG1 Antibody(Litifilimab)	
Cynomolgus BDCA2 Protein; His Tag	Human BDCA2 Protein; His Tag

Version:5.0

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