

Human CD40L Protein; His Tag

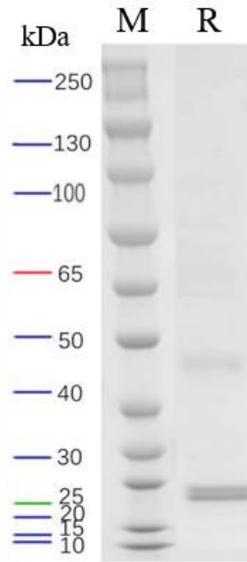
Product Information

Product Name	Human CD40L Protein; His Tag
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-84919RP-100 / 100 μg GM-84919RP-1000 / 1 mg

Protein Information

Alternative Names	CD40LG,CD154,CD40L,HIGM1,IGM,IMD3,T-BAM,TNFSF5,TRAP,gp39
Source	Human CD40L Protein; His Tag (GM-84919RP) is expressed from human 293 cells (HEK-293). It contains AA Gly116 - Leu261 (Accession # P29965-1). 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	16.8 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.4.
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.

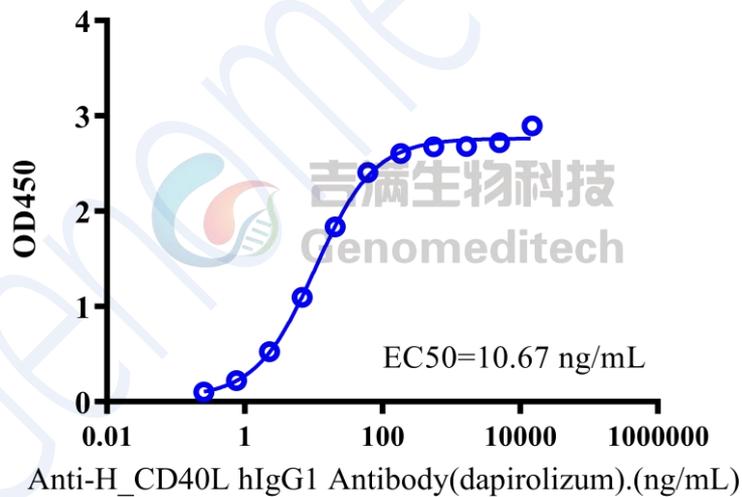
SDS-PAGE



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

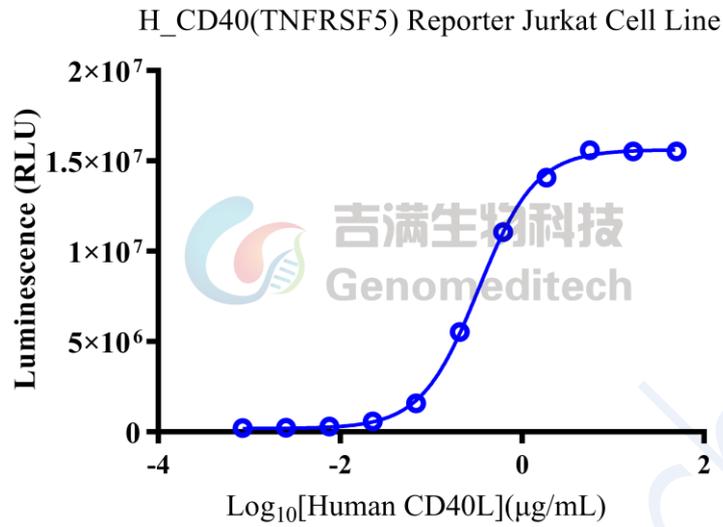
Bioactivity-ELISA

Human CD40L Protein; His Tag, ELISA 0.1 μ g Human CD40L Protein; His Tag of per well



Human CD40L Protein; His Tag (Catalog # GM-84919RP) was immobilized at 1 μ g/ml (100 μ L/well). Increasing concentrations of Anti-H_CD40L hIgG1 Antibody(dapirolizum) (Catalog # GM-83977AB) were added.

Bioactivity CELL BASE



	H_CD40(TNFRSF5) Reporter Jurkat
EC50	0.3321

Human CD40L Protein; His Tag (Catalog # GM-84919RP) was added into H_CD40(TNFRSF5) Reporter Jurkat Cell Line (Catalog # GM-C09520) and stimulates CD40/CD40L signals.