

Human TNFSF8(CD30L) Protein; hFc Tag

Product Information

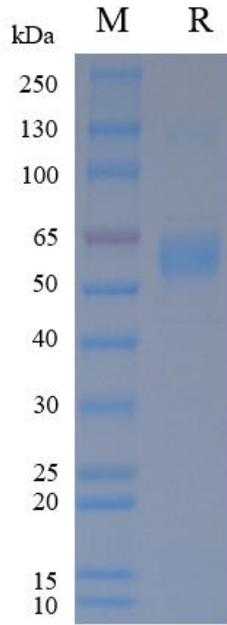
Product Name	Human TNFSF8(CD30L) Protein; hFc Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88433RP-100 / 100 μg GM-88433RP-1000 / 1 mg

Protein Information

Alternative Names	TNFSF8, CD30L, CD30LG, CD153, CD30 Ligand
Source	Human TNFSF8(CD30L) Protein; hFc Tag (GM-88433RP) is expressed from human 293 cells (HEK-293). It contains AA Gln 63 - Asp 234 (Accession # P32971-1). This protein carries a human IgG1 Fc 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	46.4 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	CD30L (CD153) is the ligand for CD30 and belongs to the TNF/TNFR superfamily. It is mainly expressed on activated T cells, B cells, and some dendritic cells. The CD30-CD30L axis modulates T cell activation, differentiation, and cytokine production, with context-dependent effects on immune responses and inflammation. CD30L can trigger reverse signaling in CD30L-expressing cells and forward signaling in CD30-expressing cells, facilitating communication in the immune microenvironment. CD30L binding to CD30 activates NF- κB and MAPK pathways, regulating inflammatory and survival gene transcription. It influences Th cell polarization (notably Th2, possibly Th17) and provides costimulatory signals that boost immune activation. Dysregulation of CD30/CD30L is linked to some inflammatory conditions and lymphoid malignancies, making the axis a potential target for immunomodulatory therapies and diagnostic markers.

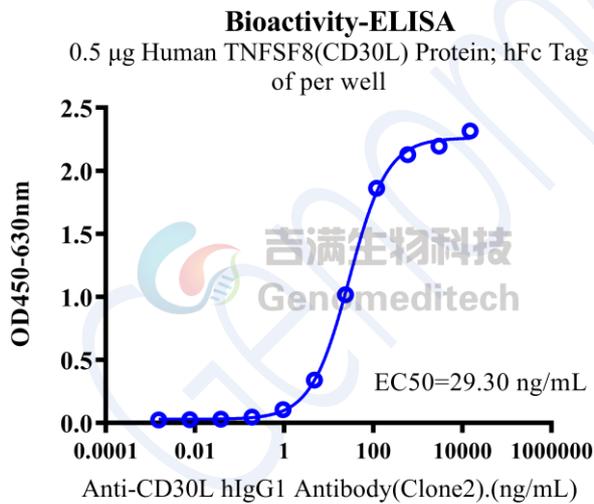
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SDS-PAGE

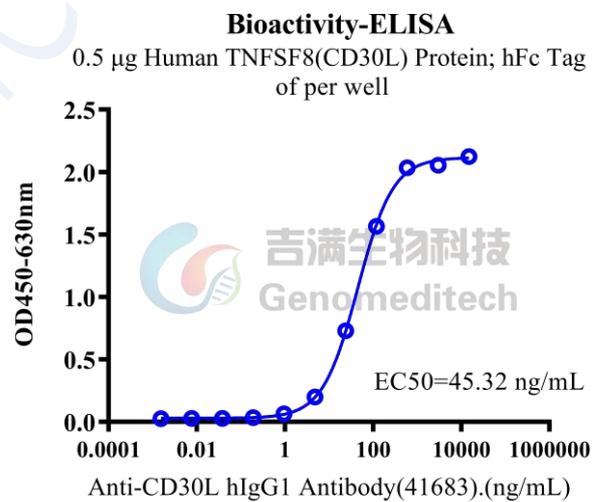


On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA



Human TNFSF8(CD30L) Protein; hFc Tag (Catalog # GM-88433RP) was immobilized at 5 µg/ml (100 µL/well). Increasing concentrations of Anti-CD30L hIgG1 Antibody(Clone2) (Catalog # GM-88399AB) were added.



Human TNFSF8(CD30L) Protein; hFc Tag (Catalog # GM-88433RP) was immobilized at 5 µg/ml (100 µL/well). Increasing concentrations of Anti-CD30L hIgG1 Antibody(41683) (Catalog # GM-88403AB) were added.