

Human CD27 Protein; His Tag

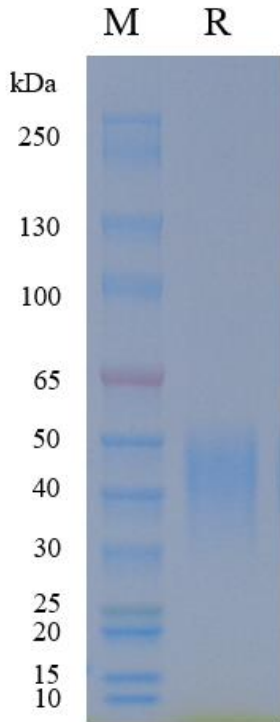
Product Information

Product Name	Human CD27 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-88573RP-100 / 100 μg GM-88573RP-1000 / 1 mg

Protein Information

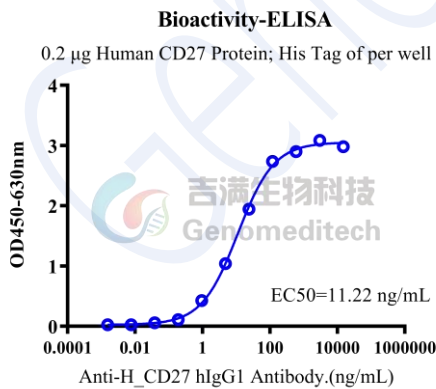
Alternative Names	TNFRSF7,S152,T14,Tp55
Source	Human CD27 Protein; His Tag (GM-88573RP) is expressed from human 293 cells (HEK-293). It contains AA Thr 21 - Ile 192 (Accession # P26842-1). This protein carries a His tag at the C-terminus.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	20.1 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	CD27 protein is a co-stimulatory molecule that belongs to the tumor necrosis factor receptor (TNFR) superfamily. It is encoded by the CD27 gene and is a protein associated with the human immune system. CD27 protein was initially discovered in lymphocytes and later detected in various immune cell subsets and lymphoid tissues. CD27 protein regulates the activation and proliferation of T cells and B cells by binding to its ligand CD70 on the surface of immune cells. T cells and B cells are important types of lymphocytes with critical functions in adaptive immune responses, antibody production, and immune memory formation, making them central members of the immune system. Research indicates that CD27 protein plays a significant role in promoting lymphocyte survival, enhancing immune cell function, and modulating adaptive immune responses. Additionally, the expression of CD27 protein is associated with tumor immunity, inflammatory diseases, and immune regulation, making it a potential target for immunotherapy.

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 95%.

Bioactivity-ELISA



Human CD27 Protein; His Tag (Catalog # GM-88573RP) was immobilized at 2 μ g/ml (100 μ L/well). Increasing concentrations of Anti-H_CD27 hIgG1 Antibody (Catalog # GM-23371AB) were added.