

Biotinylated Human CD27/TNFRSF7 Protein



Cat. No. CD2-HM227B

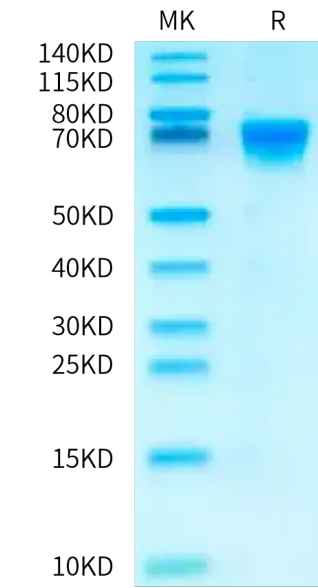
Description	
Source	Recombinant Biotinylated Human CD27/TNFRSF7 Protein is expressed from HEK293 with hFc tag and Avi tag at the C-terminus. It contains Thr21-Ile192.
Accession	P26842
Molecular Weight	The protein has a predicted MW of 47.01 kDa. Due to glycosylation, the protein migrates to 60-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
CD27, also known as TNFRSF7, is an approximately 55 kDa transmembrane protein in the TNF receptor superfamily. It functions as a costimulatory molecule that supports lymphocyte activation and survival. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis.	

Assay Data

Bis-Tris PAGE



Biotinylated Human CD27 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

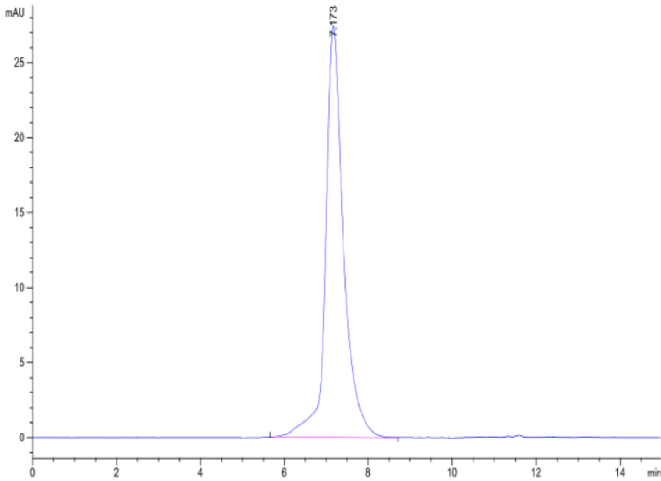
SEC-HPLC

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Assay Data

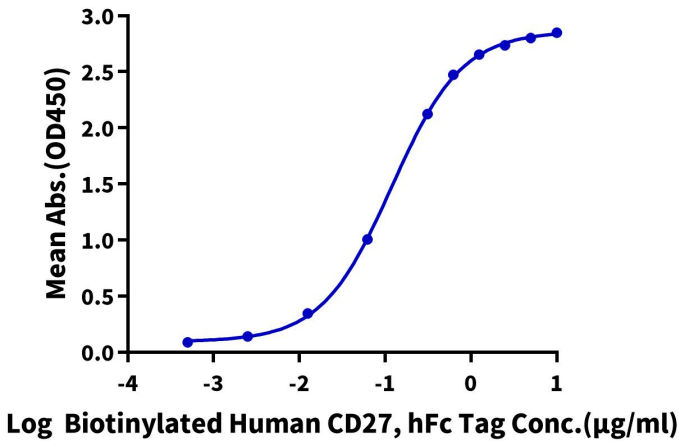


The purity of Biotinylated Human CD27 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human CD27, hFc Tag ELISA

0.5µg Human CD27 Ligand (Trimer), His Tag Per Well



Immobilized Human CD27 Ligand (Trimer), His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human CD27, hFc Tag with the EC50 of 0.12µg/ml determined by ELISA (QC Test).