

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 Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

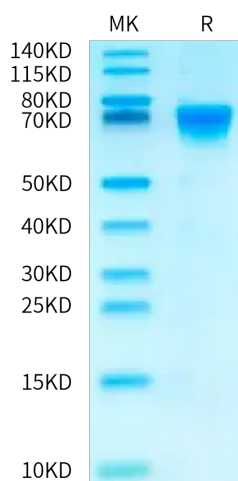
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

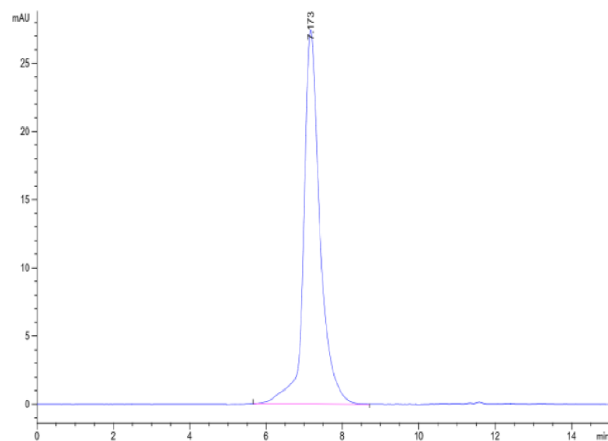
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



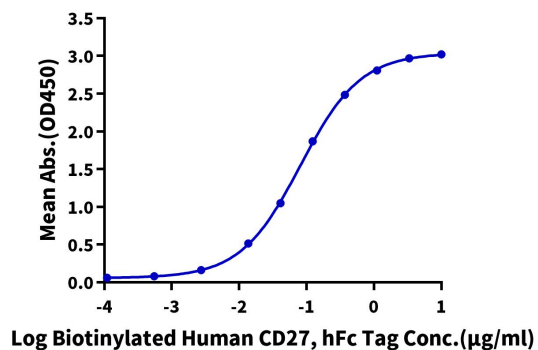
The purity of Biotinylated Human CD27 is greater than 95% as determined by SEC-HPLC.

Assay Data

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 81.4ng/ml determined by ELISA.