

Rev03
 Update: Aug,08,2025

DATASHEET

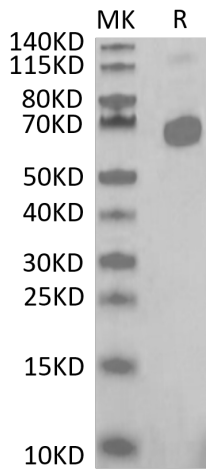
CD27 Ligand/CD70 Trimer, His, Human

Cat. No.: Z04180

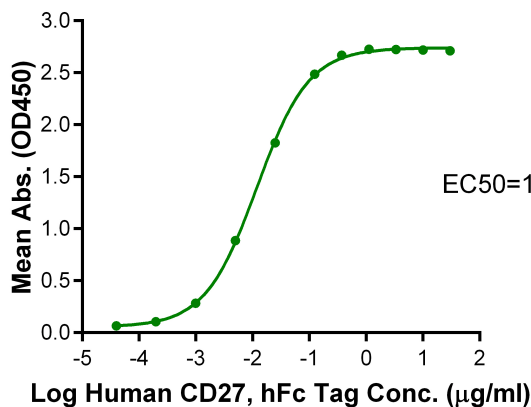
Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #337ab7; color: white; padding: 5px; margin-right: 10px;">His</div> <div style="background-color: #0070c0; color: white; padding: 5px; text-align: center;"> CD27 Ligand/CD70 Trimer (Leu50-Pro193) Accession # P32970-1 </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CD27 Ligand/CD70 Trimer, His, Human at 2µg/ml (100µl/Well) on the plate can bind Human CD27, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	51.8 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 62-65 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

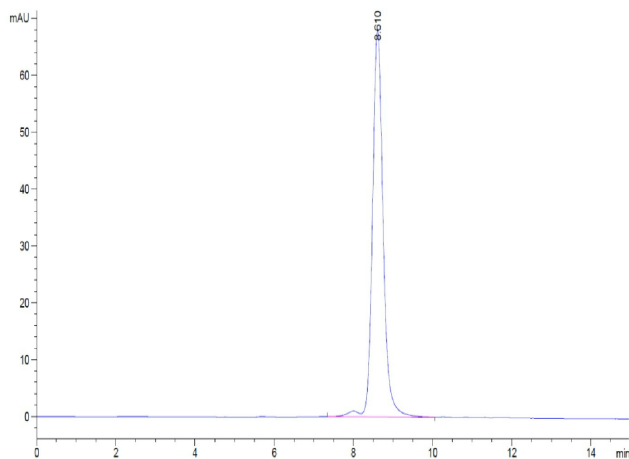
Examples



CD27 Ligand/CD70 Trimer, His, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized CD27 Ligand/CD70 Trimer, His, Human, His Tag at 2 µg/ml (100 µL/well) on the plate. Dose response curve for Human CD27, hFc Tag with the EC₅₀ of 11.8 ng/ml determined by ELISA.



The purity of CD27 Ligand/CD70 Trimer, His, Human is greater than 95% as determined by SEC-HPLC.

Background

Target Background : CD70, also named CD27 ligand (CD27L), is a type II transmembrane glycoprotein belonging to the TNF superfamily (TNFSF) and has been designated TNFSF7. CD70 is a cytokine that binds to CD27. Plays a role in T-cell activation. Induces the proliferation of costimulated T-cells and enhances the generation of cytolytic T-cells.

Synonyms : CD70 molecule; CD70; TNFSF7; CD27 Ligand; CD27-L; CD27LG; Ki-24 antigen; TNFSF7G

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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