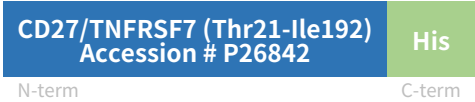


Rev03  
Update: Aug,08,2025**DATASHEET**

# CD27/TNFRSF7, His, Human

Cat. No.: Z04181

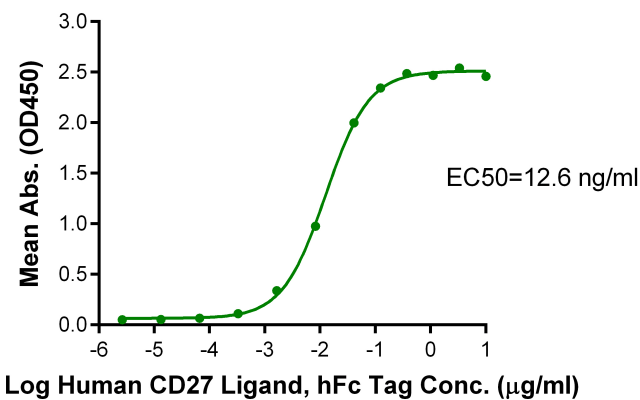
## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	
<b>Purity</b>	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized CD27/TNFRSF7, His, Human at 0.5µg/ml (100µl/well) on the plate can bind Human CD27 Ligand, hFc Tag. Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	18.1 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 40-60 kDa based on Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	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.

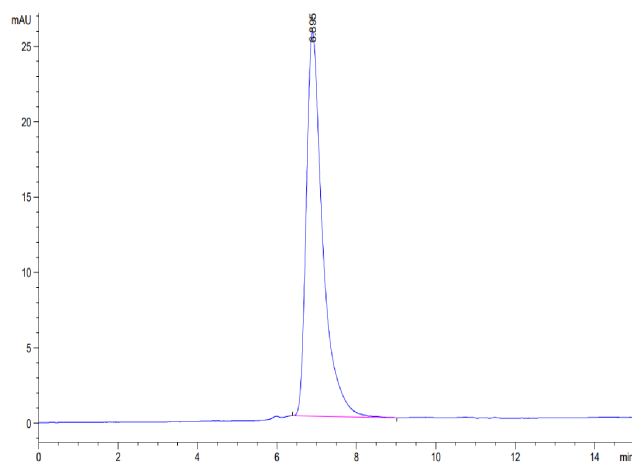
## Examples



CD27/TNFRSF7, His, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized CD27/TNFRSF7, His, Human, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Human CD27 Ligand, hFc Tag with the EC50 of 12.6 ng/ml determined by ELISA.



The purity of CD27/TNFRSF7, His, Human is greater than 95% as determined by SEC-HPLC.

## Background

**Target Background :** CD27, also known as TNFRSF7, is an approximately 55 kDa transmembrane protein in the TNF receptor superfamily. It functions as a co-stimulatory 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.

**Synonyms :** CD27 antigen; Tp55; TNFRSF7; S152; T14; S152. LPFS2; MGC20393; S152CD27L receptor

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

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