

Rev03
 Update: Aug,08,2025

DATASHEET

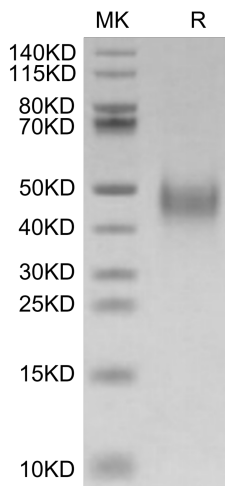
CD27/TNFRSF7, His, Cynomolgus/Rhesus macaque

Cat. No.: Z04113

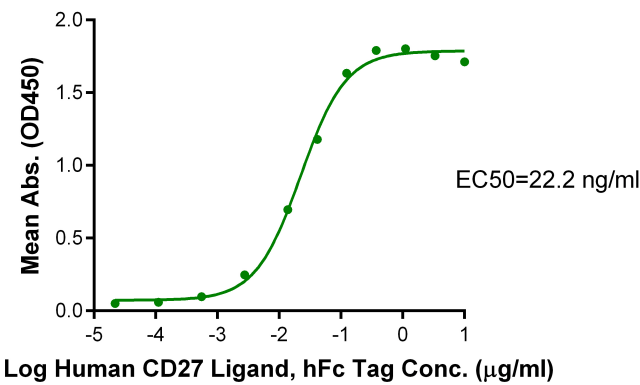
Product Introduction

Species	Cynomolgus/Rhesus macaque
Protein Construction	<div style="display: flex; align-items: center; gap: 10px;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> CD27/TNFRSF7 (Thr21-Ile192) Accession # XP_005569963.1 </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;"> His </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> 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/TNFRSF7, His, Cynomolgus/Rhesus macaque at 1µg/ml (100µl/well) on the plate can bind Human CD27 Ligand, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	20.41 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 42-52 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.

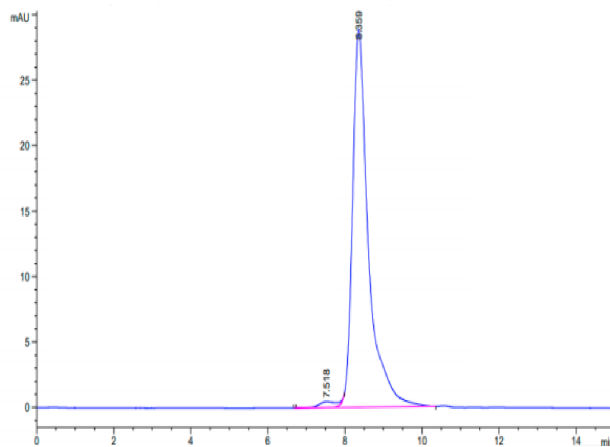
Examples



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



Immobilized CD27/TNFRSF7, His, Cynomolgus/Rhesus macaque, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Human CD27 Ligand, hFc Tag with the EC50 of 22.2 ng/ml determined by ELISA.



The purity of CD27/TNFRSF7, His, Cynomolgus/Rhesus macaque 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

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

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