

Datasheet for ABIN7274123  
**CD27 Protein (AA 24-182) (mFc Tag)**

## 3 Images

[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	CD27
Protein Characteristics:	AA 24-182
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD27 protein is labelled with mFc Tag.

## Product Details

Purpose:	Mouse CD27/NFRSF7 Protein
Sequence:	Pro24-Arg182
Characteristics:	Recombinant Mouse CD27/NFRSF7 Protein is expressed from HEK293 with mFc (IgG1) tag at the C-Terminus. It contains Pro24-Arg182.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Mouse CD27, mFc Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Mouse CD27 Ligand, hFc Tag with the EC50 of 10.3ng/ml determined by ELISA. See testing image for detail.

## Target Details

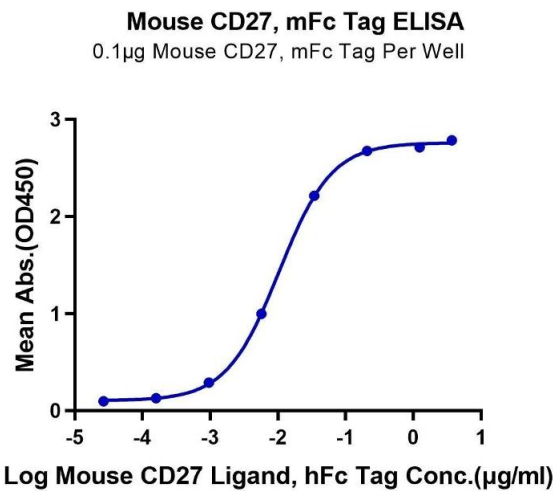
Target:	CD27
Alternative Name:	CD27 ( <a href="#">CD27 Products</a> )
Background:	CD27, also known as TNFRSF7, is an approximately 55 kDa transmembrane protein in the TNF receptor superfamily. It functions as a co-stimulatory molecule that supports lymphocyte activation and survival. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis.
Molecular Weight:	44.3 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Cancer Immune Checkpoints</a>

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

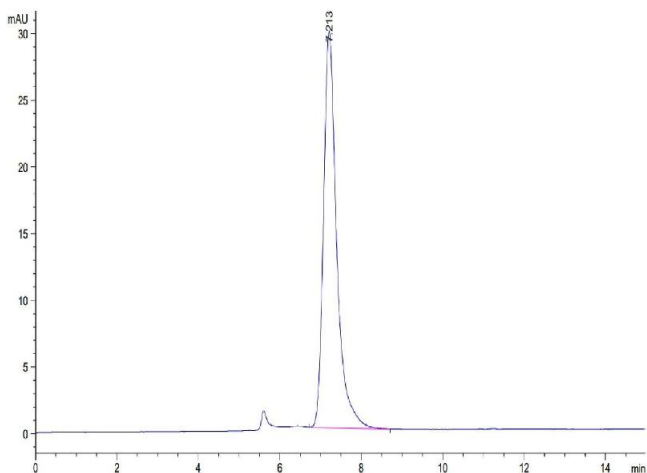
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



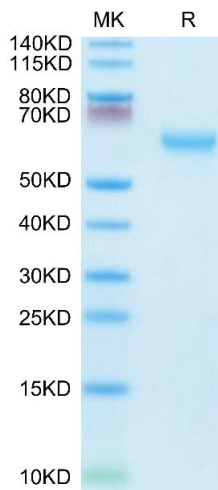
**ELISA**

**Image 1.** Immobilized Mouse CD27, mFc Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Mouse CD27 Ligand, hFc Tag with the EC50 of 10.3 ng/mL determined by ELISA.



**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 2.** The purity of Mouse CD27 is greater than 95 % as determined by SEC-HPLC.



**SDS-PAGE**

**Image 3.** Mouse CD27 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .