

**Synonym**

CD27, TNFRSF7, S152, T14, Tp55

**Source**

Cynomolgus / Rhesus macaque CD27 Protein, Mouse IgG2a Fc Tag (CD7-C5259) is expressed from human 293 cells (HEK293). It contains AA Ala 20 - Arg 191 (Accession # [XP\\_005569963.1](#)). In the region Ala 20 - Arg 191, the AA sequence of Cynomolgus and Rhesus macaque CD27 are homologous.

Predicted N-terminus: Ala 20

**Molecular Characterization**

CD27(Ala 20 - Arg 191) XP_005569963.1	mFc(Glu 98 - Lys 330) P01863
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This protein carries a mouse IgG2a Fc tag at the C-terminus.

The protein has a calculated MW of 46.2 kDa. The protein migrates as 50-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

**Endotoxin**

Less than 0.1 EU per µg by the LAL method.

**Purity**

&gt;95% as determined by SDS-PAGE.

**Formulation**

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

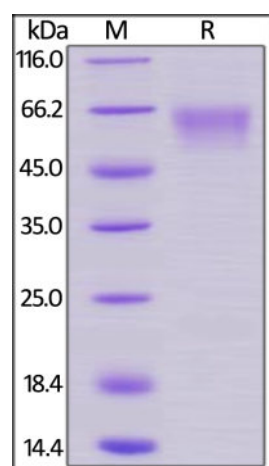
**Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

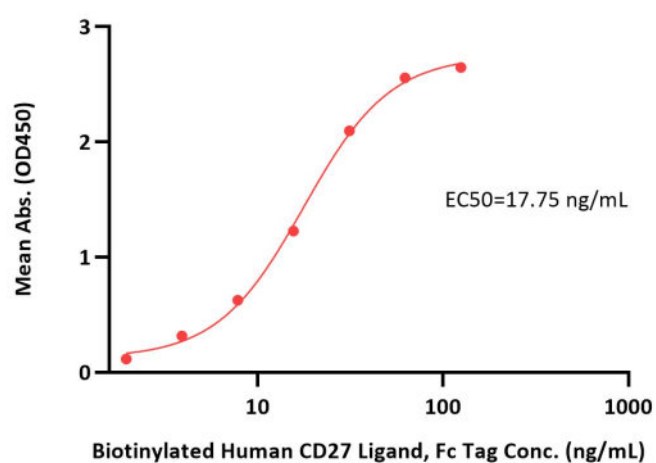
**SDS-PAGE**

Cynomolgus / Rhesus macaque CD27 Protein, Mouse IgG2a Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

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Cynomolgus / Rhesus macaque CD27, Mouse IgG2a Fc Tag ELISA  
0.2 µg of Cynomolgus / Rhesus macaque CD27, Mouse IgG2a Fc Tag per well



Immobilized Cynomolgus / Rhesus macaque CD27 Protein, Mouse IgG2a Fc Tag (Cat. No. CD7-C5259) at 2 µg/mL (100 µL/well) can bind Biotinylated Human CD27 Ligand, Fc Tag with a linear range of 2-31 ng/mL (QC tested).

## Background

CD Antigen CD27 is also known as Tumor necrosis factor receptor superfamily member 7 (TNFRSF7), which belongs to TNF-receptor superfamily. CD27 / TNFRSF7 is found in most T-lymphocytes. CD27 / TNFRSF7 is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-κB and MAPK8/JNK. CD27 has been shown to interact with SIVA1, TRAF2 and TRAF3.

## Clinical and Translational Updates

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