



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 when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.1 EU per µg by the LAL method / rFC method.

Purity

>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

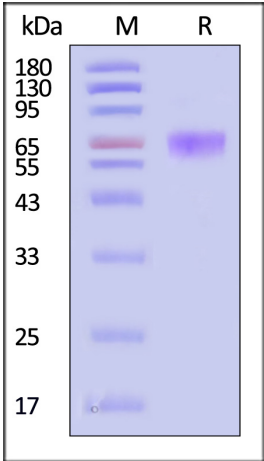
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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% (With [Star Ribbon Pre-stained Protein Marker](#)).

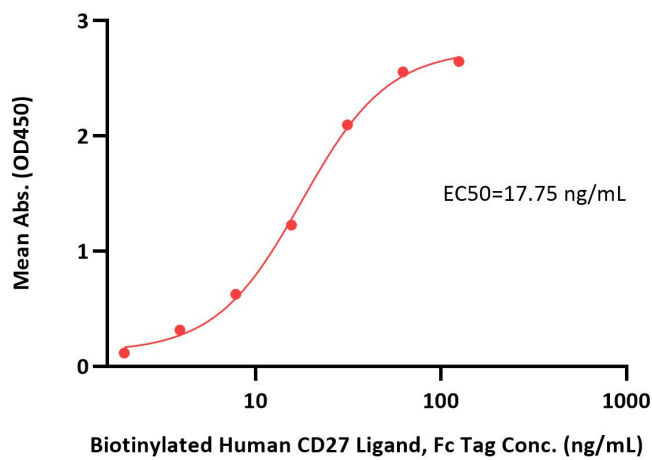
Bioactivity-ELISA

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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.

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