

CD27/TNFRSF7 Protein, Rhesus macaque, Recombinant (hFc)

General Information

Synonyms:	CD27;T14;T-Cell Activation Antigen CD27;CD27 Antigen;TNFRSF7;CD27L Receptor;Tumor Necrosis Factor Receptor Superfamily Member 7
Protein Construction:	Thr21-Ile192
Species:	Rhesus
Expression Host:	HEK293 Cells
Accession:	F7BYS2
Molecular Weight:	60-90 KDa (reducing condition)
AA Sequence:	Thr21-Ile192

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 90% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing 20 mM Tris-HCl, 150 mM NaCl, pH 8.5.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

CD27 antigen, also known as CD27L receptor, T-cell activation antigen CD27, T14, S152, Tp55, TNFRSF7 and Tumor necrosis factor receptor for superfamily member 7, belongs to the TNF-receptor superfamily. CD27 is a single-pass type I membrane protein and exists as a homodimer form, containing three TNFR-Cys repeats. CD27 transduces signals that lead to the activation of NF-KappaB and MAPK8/JNK. CD27 is involved in regulating B-cell

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activation and immunoglobulin synthesis, binding to the ligand CD70. TRAF2 and TRAF5 have been shown to mediate the signaling process of CD27. CD27-binding protein (SIVA), which is a proapoptotic protein, can bind to CD27 and is thought to play a key role in the apoptosis. CD27 is required for generation and long-term maintenance of T cell immunity.

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