

General Information

Gene Name Synonym

CD27L receptor; T-cell activation antigen CD27; T14; Tumor necrosis factor receptor superfamily member 7

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Ile 192) of human CD27 (NP_001233.1) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the carboxy-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to bind with recombinant human CD70.

Immobilized recombinant human CD27 at 2 µg/ml (100 µl/well) can bind biotinylated human CD70 with a linear range of 0.39-12.5 ng/ml.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Thr 21

Molecular Mass

The recombinant mature human CD27/Fc is a disulfide-linked homodimeric protein. The reduced monomer comprises 420 amino acids and has a calculated molecular mass of 47.2 kDa. As a result of glycosylation, the monomer migrates as an approximately 65 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

Storage

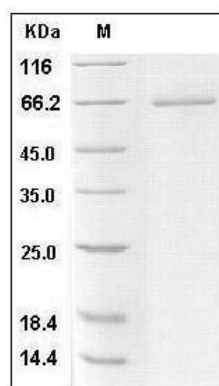
Store it under sterile conditions at -20°C to -80°C.

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human CD27 / TNFRSF7 Protein (His & Fc Tag)

Human CD27 (His & Fc Tag) recombinant protein



Catalog Number: 502095

SDS-PAGE