Mouse CD27 (His & Fc Tag) recombinant protein

NovoPro

Catalog Number: 502708

General Information

Gene Name Synonym

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

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Arg 182) of mouse CD27 (NP_001028298.1) precursor was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant mouse 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

> 94 % 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℃

Predicted N terminal

Thr 21

Molecular Mass

The recombinant mouse CD27/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 410 amino acids and has a predicted molecular mass of 46.2 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm CD27/Fc monomer is approximately 60-65 kDa due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
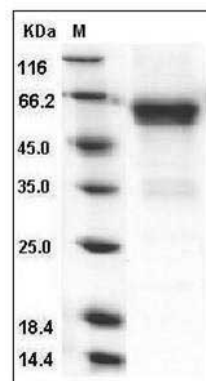2. Please contact us for any concerns or special requirements.

Usage Guide

Storage

Store it under sterile conditions at -20℃ to -80℃. 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

Mouse CD27 / TNFRSF7 Protein (His & Fc Tag)   SDS-PAGE