

Mouse CD27 (His Tag) recombinant protein



Catalog Number: 503737

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) was fused with a polyhistidine tag 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 human CD70 with a linear range of 78-1250 pg/ml.

Purity

> 96 % 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 mouse CD27 consists of 173 amino acids after removal of the signal peptide and has a predicted molecular mass of 19.6 kDa. In SDS-PAGE under reducing conditions, rmCD27 migrates as an approximately 35 kDa band 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

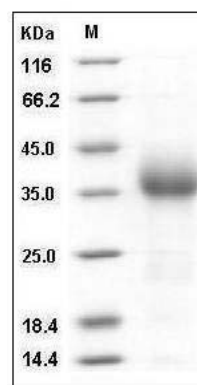
Storage

Store it under sterile conditions at -20°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



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