Human CD137 / 4-1BB (His & Fc Tag) recombinant protein

Catalog Number: 501699

General Information

Gene Name Synonym

4-1BB ligand receptor; CDw137; T-cell antigen 4-1BB homolog; T-cell antigen ILA

Protein Construction

A DNA sequence encoding the N-terminal fragment (Met 1-Gln 186) of the extracellular domain of human 4-1BB (NP_001552.2) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant mouse 4-1BB Ligand at 20 μg/ml (100 μl/well) can bind human 4-1BB with a linear range of 15.6-500 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℃

Predicted N terminal

Gln 25

Molecular Mass

The recombinant human 4-1BB/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 409 amino acids and has a calculated molecular mass of 45.2 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh4-1BB/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.
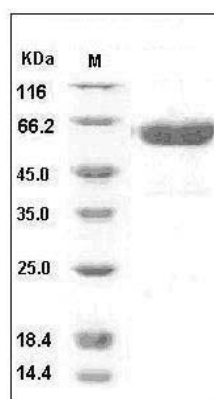2. Please contact us for any concerns or special requirements.

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

Human CD137 / 4-1BB / TNFRSF9 Protein (His & Fc Tag) SDS-PAGE