

General Information

Protein Construction

A DNA sequence encoding the extracellular domain of mouse CD1D (NP_031665.2) (Met 1-Gly 305) 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

Purity

> 80 % 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

Gln 22

Molecular Mass

The recombinant mouse CD1D /Fc is a disulfide-linked homodimeric protein. The reduced

monomer consists of 532 amino acids and has a predicted molecular mass of 60.4 kDa.

Formulation

Lyophilized from sterile 20 mM Tris, 150 mM NaCl, 10 % glycerol, pH 8.0.

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

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

Usage Guide

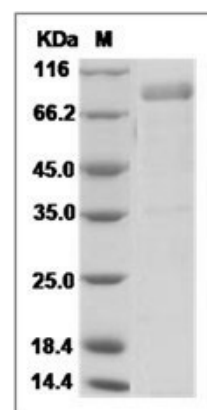
Storage

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 CD1D / R3G1 Protein (His & Fc Tag)