

Mouse CD166/ALCAM (His & Fc Tag) recombinant protein



Catalog Number: 501685

General Information

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Lys 527) of mouse ALCAM (NP_033785.1) 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

Immobilized mouse CD6-His (Cat:503645) at 10 µg/ml (100 µl/well) can bind mouse ALCAM-Fc2h, The EC₅₀ of mouse ALCAM-Fc2h is 0.12-0.28 µg/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

Trp 28

Molecular Mass

The recombinant mouse ALCAM/Fc is a disulfide-

linked homodimer after removal of the signal peptide. The reduced monomer consists of 748 amino acids and has a predicted molecular mass of 84.2 kDa. Due to glycosylation, in SDS-PAGE under reducing conditions, rmALCAM/Fc migrates with approximately molecular mass of 105-110 kDa & 210 kDa corresponding to the monomer and homodimer.

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

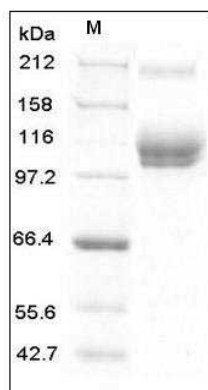
Storage

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 ALCAM / CD166 Protein (His & Fc Tag)
SDS-PAGE