Mouse Junctional Adhesion Molecule B (Fc Tag) recombinant protein

Catalog Number: 502068

General Information

Gene Name Synonym

Junctional adhesion molecule 2; Vascular endothelial junction-associated molecule

Protein Construction

A DNA sequence encoding the mouse JAM-2 (NP_076333.3) extracellular domain (Met 1-Asn 236) was fused with the Fc region of human IgG1 at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability of the immobilized protein to support the adhesion of Jurkat human leukemic T cells. When 8 x 10E4 cells/well are added to JAM2 coated plates (0.2 μg/ml and 100 μl/well), approximately 40-55% will adhere specifically after 60 minutes at 37℃.

Purity

> 70 % 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

Phe 29

Molecular Mass

The secreted recombinant mouse JAM-2/Fc is a disulfide-linked homodimeric protein. The reduced monomer comprises 449 amino acids and has a predicted molecular mass of 50.3 kDa. rm JAM-2/Fc monomer migrates as an approximately 65 kDa band in SDS-PAGE under reducing conditions.

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

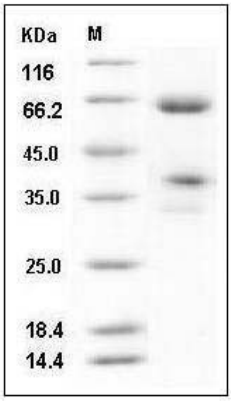
Storage

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 JAM-2 / JAM-B Protein (Fc Tag) SDS-PAGE