Mouse ICAM-2/CD102 (Fc Tag) recombinant protein

Catalog Number: 503060

General Information

Gene Name Synonym

Lymphocyte function-associated AG-1 counterreceptor

Protein Construction

A DNA sequence encoding the mouse ICAM2 (NP_034624.1) extracellular domain (Met 1-Gln 222) was fused with the Fc region of human IgG1 at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of PMA stimulated HSB2 human peripheral blood acute lymphoblastic leukemia cells. When cells are added to mouse ICAM2 coated plates (12.5 μ g/ml, 100 μ l/well), approximately 25-40% will adhere specifically.

Purity

> 93 % 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 $^{\circ}\mathrm{C}$

Predicted N terminal

Ser 20

Molecular Mass

The secreted recombinant mouse ICAM2/Fc is a disulfide-linked homodimeric protein. The reduced monomer comprises 444 amino acids and has a predicted molecular mass of 50 kDa. As a result of glycosylation, the apparent molecular mass of rm ICAM2/Fc monomer is approximately 60-70 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 50mM Tris-Citric acid, 150mM NaCl, pH 5.5 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

KDa	м	
116	-	
66.2	-	v
45.0	-	
35.0		
25.0	-	
18.4	-	
14.4	-	



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