

Mouse ICAM-1/CD54 (His & Fc Tag) recombinant protein



Catalog Number: 501562

General Information

Gene Name Synonym

MALA-2; MyD10

Protein Construction

A DNA sequence encoding the extracellular domain of mouse ICAM1 (NP_034623.1) (Met 1-Asn 485) 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

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 ICAM1 coated plates (12.5 µg/ml, 100 µl/well), approximately >50% cells will adhere specifically.

Purity

> 96 % 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 28

Molecular Mass

The recombinant mouse ICAM1/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 706 amino acids and has a predicted molecular mass of 78.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm ICAM1/Fc monomer is approximately 120-130 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

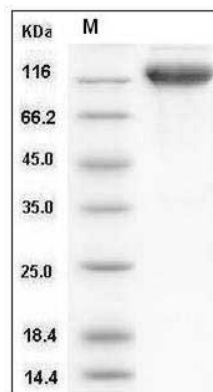
Storage

Store it under sterile conditions at -20°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



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SDS-PAGE