

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



Catalog Number: 503303

General Information

Gene Name Synonym

Major group rhinovirus receptor

Protein Construction

A DNA sequence encoding the human ICAM1 (NP_000192.2) extracellular domain (Met 1-Glu 480) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Organism

Human

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 5×10^4 cells/well are added to Recombinant Human ICAM-1/CD54 coated plates (12.5 $\mu\text{g}/\text{mL}$ with 100 $\mu\text{L}/\text{well}$), >40% cells will adhere after 1 hour incubation at 37°C.

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

Gln 28

Molecular Mass

The recombinant human ICAM1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 700 amino acids and has a predicted molecular mass of 77.4 kDa. As a result of glycosylation, the apparent molecular mass of rh ICAM1/Fc monomer migrates with an apparent molecular mass of 100-110 kDa 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°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

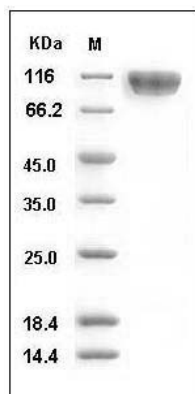
Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE

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SDS-PAGE