

Human ICAM-2/CD102 (His & Fc Tag) recombinant protein



Catalog Number: 502575

General Information

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Gln 223) of human ICAM2 (NP_000864.2) 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 cells are added to ICAM2 coated plates (12.5 µg/mL, 100 µL/well), approximately 50 % - 60 % will adhere specifically.

Purity

> 97 % 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

Ser 22

Molecular Mass

The recombinant human ICAM2/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 449 amino acids and has a predicted molecular mass of 50.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhICAM2/Fc monomer is approximately 85-95 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

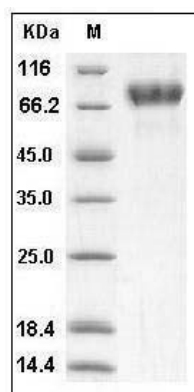
Storage

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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