

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) with five amino acids (DDDDK) at the C-terminus was expressed and purified.

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 human ICAM1 coated plates (12.5 µg/ml, 100 µl/well), approximately 20-40% will adhere specifically.

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 consists of 459 amino acids and has a predicted molecular mass of 51 kDa. As a result of glycosylation, it migrates with an apparent molecular mass of 70-80 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile Tris 50mM, NaCl 100mM, pH 8.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

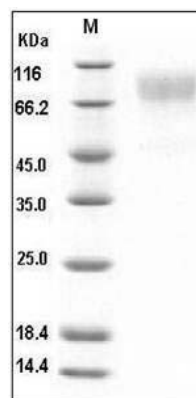
Storage

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



Human ICAM-1 / CD54 Protein SDS-PAGE