Human VCAM-1/CD106 (Fc Tag) recombinant protein

Catalog Number: 504026

General Information

Gene Name Synonym

INCAM-100

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Pro 697) of human VCAM1 (NP_001069.1) was expressed with the 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 U937 human histiocytic lymphoma cells. When cells are added to VCAM1 coated plates (10 μg/mL, 100 μL/well) approximately > 70% cells will adhere for 1 hour incubation at 37℃.

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℃

Predicted N terminal

Phe 25

Molecular Mass

The recombinant human VCAM1/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 911 amino acids and has a predicted molecular mass of 101 kDa. As a result of glycosylation, the rh VCAM1/Fc monomer migrates as an approximately 130-140 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

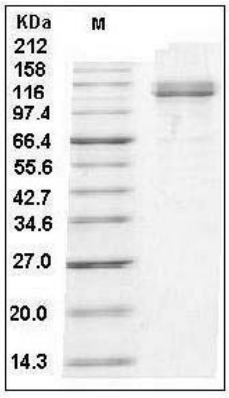
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 VCAM-1 / CD106 Protein (Fc Tag) SDS-PAGE