

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



Catalog Number: 503378

General Information

Gene Name Synonym

INCAM-100

Protein Construction

A DNA sequence encoding the extracellular domain (Phe 25-Pro 697) of human VCAM1 (NP_001069.1) was fused with a polyhistidine tag at the N-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 (5 µg/mL, 100 µL/well) approximately 60% will adhere for 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

His

Molecular Mass

The recombinant human VCAM1 consists of 689 amino acids and predicts a molecular mass of 76 kDa. As a result of glycosylation, rhVCAM1 migrates as an approximately 110 kDa band 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

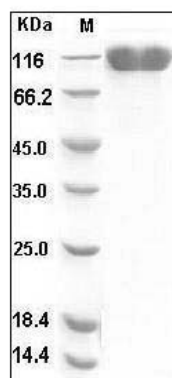
Storage

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



Human VCAM-1 / CD106 Protein (His Tag) SDS-PAGE