# 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  $\mu$ g/mL, 100  $\mu$ L/well) approximately 60% will adhere for 1 hour incubation at 37°C.

#### **Purity**

> 95 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  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**

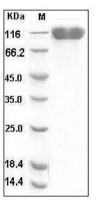
## **Storage**

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