

RP00470

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# Recombinant Human CD106/VCAM-1/L1CAM Protein

Catalog No.: RP00470 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	7412	P19320

**Tags**  
C-6×His

**Synonyms**  
CD106;INCAM-100;VCAM1

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

**Endotoxin**  
< 1 EU/μg of the protein by LAL method.

**Formulation**  
Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, 2 mM CaCl<sub>2</sub>, 2 mM MgCl<sub>2</sub>, 5% Threhalose, pH 7.2. Contact us for customized product form or formulation.

**Reconstitution**  
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

This protein is a member of the Ig superfamily and encodes a cell surface sialoglycoprotein expressed by cytokine-activated endothelium. This type I membrane protein mediates leukocyte-endothelial cell adhesion and signal transduction, and may play a role in the development of atherosclerosis and rheumatoid arthritis. Three alternatively spliced transcripts encoding different isoforms have been described for this protein.

## Basic Information

**Description**  
Recombinant Human CD106/VCAM-1/L1CAM Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Phe25-Glu698) of human CD106/VCAM-1/L1CAM (Accession #P19320) fused with a 6×His tag at the C-terminus.

**Bio-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 after 1 hour of incubation at 37°C.

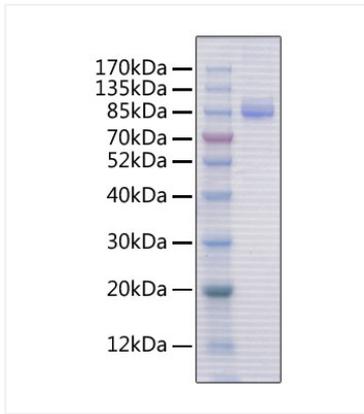
**Storage**  
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant protein Human CD106/VCAM-1/L1CAM was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 90 kDa.