



# Biotinylated Recombinant Human VCAM-1 Protein [Avi, His] (DAGC663)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

**Product Overview**

Biotinylated Recombinant Human Vascular cell adhesion protein 1 is produced by our Mammalian expression system and the target gene encoding Phe25-Glu698 is expressed with a Avi, 6His tag at the C-terminus.

**Species**

Human

**Purity**

Greater than 95% as determined by reducing SDS-PAGE.

**Conjugate**

Avi, His

**Applications**

SDS-PAGE

**Reconstitution**

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ug/mL. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin**

Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.

**Format**

Lyophilized

**Size**

100 μg

**Buffer**

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

**Preservative**

None

**Storage**

Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

# BACKGROUND

**Introduction**

VCAM-1 (CD106, INCAM-110) is a cell adhesion molecule and a member of the immunoglobulin superfamily. Its important function is a recognition of cell-cell. Appears to function in leukocyte-endothelial cell adhesion. Interacts with integrin alpha-4/beta-1 (ITGA4/ITGB1) on leukocytes, and mediates both adhesion and signal transduction. The VCAM1/ITGA4/ITGB1 interaction may play a pathophysiologic role both in immune responses and in leukocyte emigration to sites of inflammation.

**Keywords**

Vascular cell adhesion protein 1; V-CAM 1; VCAM-1; CD106; INCAM-100