

## PRODUCT INFORMATION SUMMARY

### Human VCAM-1

|                 |                |           |         |
|-----------------|----------------|-----------|---------|
| Purified Factor | Product Number | HC411490B | 50.0 ug |
|                 |                | HC411490A | 10.0 ug |

#### DESCRIPTION:

Human Vascular Cell Adhesion Molecule-1 (VCAM-1) is a Ig-related superfamily adhesion molecule involved in the leukocyte - endothelial cell adhesion and signal transduction. Conditions believed related to VCAM-1 are rheumatoid arthritis and atherosclerosis. Human VCAM-1 is a 110 kDa glycoprotein with extracellular and transmembrane regions. The recombinant protein contains 674 aa. residues and 74 kDa molecular weight.

**SOURCE:** HEK293 cells  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug VCAM-1

#### BIOLOGICAL ACTIVITY:

Ability to support adhesion of human U937 cells.  
Half-maximal effect @ approx. 1.0 ug/mL

#### HANDLING AND STORAGE:

Purified Human VCAM-1 factor is provided lyophilized. Store lyophilized, at -20° C.  
SPIN-DOWN prior to opening vial:

Upon **reconstitution** with distilled ( or sterile) water to a concentration of approx. 100 ug/mL, dilute in PBS or other buffered solutions. Store small aliquots, **with addition of 0.1% BSA**, at -20° C for long-term storage- up to 3 months, at high concentration.

**Before opening vial**, it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

**RESEARCH USE ONLY -NOT for DRUG USE**