

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 beleived related to VCAM-1 are rheumatoid arthritis and atherosclerosis. Human VCAM-1 is a 110 kDa glycoprotein with 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