

PRODUCT INFORMATION SUMMARY

Human PECAM-1

Purified Factor	Product Number	HC411500B 50.0 ug
		HC411500A 10.0 ug

DESCRIPTION:

Human Platelet Endothelial Cell Adhesion Molecule (PECAM-1) is an adhesion molecule that controls leukocyte-endothelial cell adhesion. Expressed primarily by endothelial cell junctions, it is also expressed in platelets and many leukocytes. PECAM-1 has been associated with the inflammatory conditions of multiple sclerosis, and rheumatoid arthritis. Human PECAM-1 is expressed as a 738 aa transmembrane glycoprotein with a 118 aa cytoplasmic domain. This recombinant PECAM-1 is the extracellular domain of 572 aa glycoprotein, with approx. 80-95.0 kDa molecular weight.

SOURCE: HEK293 cells
Purity > 96% by HPLC analysis
Endotoxin < 0.1 ng per ug PECAM-1
Sterile filtered and lyophilized.
Additive-free.

BIOLOGICAL ACTIVITY: Measured ability to facilitate adhesion of Jurkat cell line at approx. 1.5 ug/mL concentration.

HANDLING AND STORAGE:

Purified PECAM-1 is provided lyophilized from 10mM PBS, pH 7.5 with no additives. Store lyophilized, at -20° C. Quick spin and **reconstitute with sterile or distilled water** to concentration of 100 ug/L. Further dilute in PBS or other buffered solutions. Store small aliquots at -20 ° C, with addition of carrier protein (ie., 0.1% BSA), 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