
Product Data Sheet

Product Name: PECAM1 Human

Cat. No.: GP20825

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Platelet endothelial cell adhesion molecule; PECAM1; CD31; CD31/EndoCAM; endoCAM; GPIIA'; PECA1; PECAM-1; Platelet Endothelial Cell Adhesion Molecule 1.		
Amino Acid Sequence	<p>QENSFTINSV DMKSLPDWTV QNGKNLTLQC FADVSTTSHV KPQHQMFLFYK DDVLFYNISS MKSTESYFIP EVRIYDSGTY KCTVIVNNKE KTTAEYQVLV EGVPSRVTL DKKEAIQGGI VRVNCVPEE KAPIHFTIEK LELNEKMKVL KREKNSRDQN FVILEFPVEE QDRVLSFRCQ ARIISGIHMV TSESTKSELV TVTESFSTPK FHSPTGMIM EGAQLHIKCT IQVTHLAQEF PEIIIQKDKA IVAHNRRHGNK AVYSVMAMVE HSGNYTCKVE SSRISKVSSI VVNITELFSK PELESSFTHL DQGERLNLSC SIPGAPPANF TIQKEDTIVS QTQDFTKIAS KSDSGTYICT AGIDKVVKKS NTVQIVVCEM LSQPRISYDA QFEVIKGQTI EVRCEISIGT LPISYQLLKT SKVLENSTKN SNTPAVFKDN PTEDVEYQCV ADNCHSHAKM LSEVLRVKVI APVDEVQISI LSSKVVESGE DIVLQCAVNE GSGPITYKFY REKEGKPFYQ MTSNATQAFW TKQKASKEQE GEYYCTAFNR ANHASSVPRS KILTVRVILA PWKKVEHHHH HH.</p>		
Formulation	PECAM1 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Platelet endothelial cell adhesion molecule (PECAM1) induces susceptibility to atherosclerosis. PECAM1 averts phagocyte ingestion of closely apposed viable cells by transmitting detachment signals, and transforms function upon apoptosis, thus promoting tethering of dying cells to phagocytes. The encounter of a viable cell with a phagocyte via the homophilic interaction of PECAM1 on both cell surfaces as a result causing the viable cell's active repulsion from the phagocyte.

Caution: Product has not been fully validated for medical applications. For research use only.

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Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

PECAM1 Human Recombinant produced in Sf9 Baculovirus is a single, non-glycosylated polypeptide chain containing 582 amino acids (28-601a.a.) and having a molecular mass of 65.5kDa (Migrates at 70-100kDa on SDS-PAGE under reducing conditions). PECAM1 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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