9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-20600: Recombinant Human PECAM-1(Discontinued)

Alternative Name : Platelet endothelial cell adhesion molecule, CD31 antigen, EndoCAM

Description

Source:HEK293 cells
PECAM is transmembrane glycoprotein that belongs to the Ig-related superfamily of adhesion molecules. It is highly expressed at endothelial cell junctions, and is also expressed in platelets and most leukocyte sub-types. The primary function of PECAM-1 is the mediation of leukocyte-endothelial cell adhesion and signal transduction. PECAM-1 has been implicated in the pathogenesis of various inflammation-related disorders, including thrombosis, multiple sclerosis (MS), and rheumatoid arthritis. The human PECAM-1 gene codes for a 738 amino acid transmembrane glycoprotein that contains a 118 amino acid cytoplasmic domain, a 19 amino acid transmembrane domain, and a 574 amino acid extracellular domain. Recombinant Human PECAM-1 is a 572 amino acid glycoprotein comprising the extracellular domain of PECAM-1. Monomeric glycosylated PECAM-1 migrates at an apparent molecular weight of approximately 80.0-95.0 kDa by SDS-PAGE analysis under reducing conditions.Â The calculated molecular weight of Recombinan Human PECAM-1 is 64.3 kDa.

Product Info

Amount : 10 µg / 50 µg
Purification : Purity:>= 97% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : ENSFTINSV DMKSLPDWTV QNGKNLTLQC FADVSTTSHV KPQHQMLFYK DDVLFYNISS MKSTESYFIP EVRIYDSGTY KCTVIVNNKE KTTAEYQLLV EGVPSPRVTL DKKEAIQGGI VRVNCSVPEE KAPIHFTIEK LELNEKMVKL KREKNSRDQN FVILEFPVEE QDRVLSFRCQ ARIISGIHMQ TSESTKSELV TVTESFSTPK FHISPTGMIM EGAQLHIKCT IQVTHLAQEF PEIIIQKDKA IVAHNRHGNK AVYSVMAMVE HSGNYTCKVE SSRISKVSSI VVNITELFSK PELESSFTHL DQGERLNLSC SIPGAPPANF TIQKEDTIVS QTQDFTKIAS KSDSGTYICT AGIDKVVKKS NTVQIVVCEM LSQPRISYDA QFEVIKGQTI EVRCESISGT LPISYQLLKT SKVLENSTKN SNDPAVFKDN PTEDVEYQCV ADNCHSHAKM LSEVLRVKVI APVDEVQISI LSSKVVESGE DIVLQCAVNE GSGPITYKFY REKEGKPFYQ MTSNATQAFW TKQKASKEQE GEYYCTAFNR ANHASSVPRS KILTVRVILA PWK

Application Note

Determined by its ability to support the adhesion of activated Jurkat cells. The expectedÃ Â $ED_{50}$for this effect is 1.0 -1.5 Ã Âµg/ml.