

TECHNICAL DATA SHEET

Recombinant Human PECAM-I (Carrier-Free)

Catalog Number: 21-9214

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

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Recombinant Human PECAM-I (Carrier-Free)

DESCRIPTION

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. Recombinant Human PECAM-1 is a 572 amino acid glycoprotein comprising the extracellular domain of PECAM-1.

MOLECULAR MASS

Monomeric glycosylated PECAM-1 migrates at an apparent molecular weight of approximately 80.0-95.0 kDa by SDS-PAGE analysis under reducing conditions. The calculated molecular weight of Recombinant Human PECAM-1 is 64.3 kDa.

AMINO ACID SEQUENCE

ENSTFINSV DMKSLPDWTV QNGKNLTLQC FADVSTTSHV KPQHQMLFYK DDVLFYNISS MKSTESYFIP EVRIYDSGTY KCTVIVNNKE KTTAEYQLLV
 EGVSPSRVTL DKKEAIQGGI VRVNCVPEE KAPIHFTEIK LELNEKMKVL KREKNSRDQN FVILEFPVEE QDRVLSFRCQ ARIISGIHMQ TSESTKSELV
 TVTESFSTPK FHISPTGMIM EGAQLHIKCT IQVTHLAQEF PEIIIQKDKA IVAHNRHGK AVYSVMAMVE HSGNYTCKVE SSRISKVSSI VVNITELFSK
 PELESSFTHL DQGERLNLSC SIPGAPPANF TIQKEDTIVS QTQDFTKIAS KSDSGTYICT AGIDKVVKKS NTVQIVVCEM LSQPRISYDA QFEVIKQQT
 EVRCESISGT LPISYQLLKT SKVLENSTKN SNDPAVFKDN PTEDVEYQCV ADNCHSHAKM LSEVLRVKVI APVDEVQISI LSSKVVESGE DIVLQCAVNE
 GSGPITYKFY REKEGKPFYQ MTSNATQAFW TKQKASKEQE GEYYCTAFNR ANHASSVPRS KILTVRVILA PWK

SOURCE

HEK293 cells

APPLICATIONS

Bioassay

PURITY

97 %

STORAGE

-20°C

PROTEIN CONTENT

Content Verified by UV Spectroscopy and/or SDS-PAGE gel.

ENDOTOXIN LEVEL

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

AUTHENTICITY

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

CROSS REACTIVITY

BIOACTIVITY

Determined by its ability to support the adhesion of activated Jurkat cells. The expected ED50 for this effect is 1.0 -1.5 ug/ml.

RESEARCH AREAS

Inflammation

RECONSTITUTION

See Certificate of Analysis (COA) for lot specific reconstitution information.

REFERENCES

Jung YJ, Park W, Nguyen-Thanh T, Kang KP, Jin HY, Kim SH, Suh W, Kim W. Oncotarget. 2017 Oct 23;8(55):94805-94818. doi: 10.18632/oncotarget.21998. Fallon EA, Chun TT, Young WA, Gray C, Ayala A, Heffernan DS. Front Immunol. 2017 Nov 20;8:1469. doi: 10.3389/fimmu.2017.01469.

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