

# Product Information

## **MemDX™ Membrane Protein Human PECAM1 (Platelet and endothelial cell adhesion molecule 1) Expressed in CHO for Antibody Discovery, Partial (28-601aa)**

Cat. No.: **MPX0237K**

This product is for research use only and is not intended for diagnostic use.

This product is a 64.5 kDa Human PECAM1 membrane protein expressed in CHO. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

PECAM1

#### Protein Length

Partial (28-601aa)

#### Protein Class

Cell adhesion

#### Molecular Weight

64.5 kDa

#### TMD

1

#### Sequence

QENSFTINSVDMKSLPDWTVQNG  
KNLTLQCFADVSTTSHVKPQHQMFLFYKDDVLFYNISSMKSTESYFIPEVR  
IYDSGTYKCTVIVNNKEKTTAEYQVLVEGVSPRVTLDKKEAIQGGIVRV  
NCSVPEEKAPIHFTIEKLELNEKMMVKLKREKNSRDQNFVILEFPVEEQDR  
VLSFRCQARIISGIHMQTSESTKSELVTVTESFSTPKFHISPTGMIMEGA  
QLHIKCTIQVTHLAQEFPEIIQKDKAIVAHNRHGNKAVYSVMAMVEHSG  
NYTCKVESSRISKVSSIVVNITELFSKPELESSFTHLDQGERLNLSCSIP  
GAPPANFTIQKEDTIVSQTQDFTKIASKSDSGTYICTAGIDKVVKKSNTV  
QIVVCEMLSQPRISYDAQFEVIKQGTIEVRCEISISGTLPISYQLLKTSKV  
LENSTKNSNDPAVFKDNPTEDVEYQCVADNCHSHAKMLSEVLRVKVIAPV  
DEVQISILSSKVVESGEDIVLQCAVNEGSGPITYKFYREKEGKPFYQMTS  
NATQAFWTKQKASKEQEGEYYCTAFNRANHASSVPRSKILTVRVILAPWKK

### Product Description

#### Expression Systems

CHO

**Protein Format**

Soluble

**Form**

LYOPH

**Reconstitution**

Reconstitute at 150 µg/mL in sterile, deionized water.

**Endotoxin**

<0.10 EU per 1 µg of the protein by the LAL method.

**Purity**

>90%, by SDS-PAGE under reducing conditions and visualized by silver stain

**Buffer**

Lyophilized from a 0.2 µm filtered solution in PBS containing Calcium and Magnesium with Sorbitol.

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

PECAM1

**Full Name**

Platelet and endothelial cell adhesion molecule 1

**Introduction**

The protein encoded by this gene is found on the surface of platelets, monocytes, neutrophils, and some types of T-cells, and makes up a large portion of endothelial cell intercellular junctions. The encoded protein is a member of the immunoglobulin superfamily and is likely involved in leukocyte migration, angiogenesis, and integrin activation.

**Alternative Names**

PECAM1; CD31; PECA1; GPIIA'; PECAM-1; endoCAM; CD31/EndoCAM; platelet endothelial cell adhesion molecule; CD31 antigen; platelet endothelial cell adhesion molecule-1; Platelet and endothelial cell adhesion molecule 1

**Gene ID**

[5175](#)

**UniProt ID**

[P16284](#)