

## Product Information

### MemDX™ Antibody Discovery - Human CD31 / PECAM-1 (28-601) Membrane Protein, Partial, -hIgG1 Fc tag, [PE]

Cat. No.: **MP1185F**

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

This membrane protein is Human CD31 / PECAM-1 (28-601). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

#### Product Specifications

##### Host Species

Human

##### Target Protein

CD31 / PECAM-1

##### Protein Length

ECD

##### Molecular Weight

The protein has a calculated MW of 90.6 kDa. The protein migrates as 105-130 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

##### Sequence

AA Gln 28 - Lys 601 (Accession # AAH22512.1).

#### Product Description

##### Application

SDS-PAGE

##### Expression Systems

HEK293

##### Tag

Human IgG1 Fc tag at the C-terminus

##### Protein Format

Soluble

##### Form

LYOPH

##### Reconstitution

Please see Certificate of Analysis for specific instructions.

#### **Endotoxin**

<1.0 EU/µg by the LAL method

#### **Conjugation**

PE

#### **Purity**

>95% as determined by SDS-PAGE.

#### **Buffer**

Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.

#### **Storage**

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°C.

### **Target**

#### **Target Protein**

CD31 / PECAM-1

#### **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**

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

#### **Gene ID**

[5175](#)

#### **UniProt ID**

[P16284](#)