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Datasheet for ABIN7197410

CD31 Protein

1 Image

Overview

Quantity: 100 µg

Target: CD31 (PECAM1)

Origin: Human

Source: HEK-293 Cells

Protein Type: Recombinant

Product Details

Purpose: Recombinant Human CD31/PECAM1 Protein

Sequence: Met 1-Lys 601

Characteristics: The mature form of human CD31 (EAW94208.1) extracellular domain (Met1-Lys 601) with five additional amino acids (DDDDK) at the C-terminus was expressed and purified.

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin Level: < 1.0 EU per µg as determined by the LAL method.

Target Details

Target: CD31 (PECAM1)

Alternative Name: CD31/PECAM1 ([PECAM1 Products](#))

Background: The Cluster of Differentiation 31 (CD31) adhesion molecule, also known as platelet-endothelial cell adhesion molecule-1 (PECAM-1), is the only known member of the CAM family on platelets. CD31 protein is a 130-kDa transmembrane glycoprotein expressed by endothelial cells, platelets, monocytes, neutrophils, and certain T cell subsets. CD31 protein is

Target Details

also expressed in certain tumors, including epithelioid hemangioendothelioma, other vascular tumors, and histiocytic malignancies. CD31 plays a key role in removing aged neutrophils and tissue regeneration. CD31 protein mediates the homotypic or heterotypic cell adhesion by binding to itself or the leukocyte integrin $\alpha\beta 3$, and thus plays a role in neutrophil recruitment in inflammatory responses, transendothelial migration of leukocytes, as well as in cardiovascular development.

Synonym: Platelet endothelial cell adhesion molecule; PECAM-1; EndoCAM; GPIIA; PECA1; CD31; PECAM1

Molecular Weight: 65.1 kDa

Pathways: [Regulation of Actin Filament Polymerization](#)

Application Details

Restrictions: For Research Use only

Handling

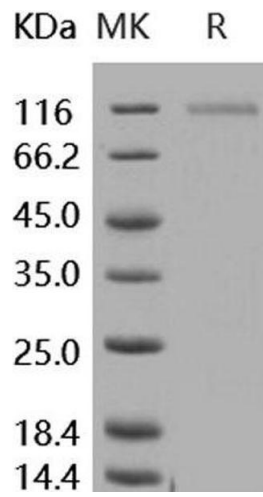
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 100 mM Glycine, 10 mM NaCl, 50 mM Tris, pH 7.5

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.