

Anti-CD31/PECAM-1 Antibody (5D42)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5D42
Purification:	Protein A

Applications

Verified Activity:	<ol style="list-style-type: none">1. Immunochemical staining of human CD31 in human placenta with rabbit monoclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.2. Immunochemical staining of human CD31 in human stomach with rabbit monoclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.
Application:	IHC-P
Recommended	IHC-P: 1:200-1:800

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human CD31/PECAM-1 Protein
Antigen Species:	Human
Synonyms:	Pecam;PECAM-1;Cd31;C85791;platelet/endothelial cell adhesion molecule 1
Biology Area:	Hemangioblast Markers, ITIM/ITAM Immunoreceptors and Related Molecules

Research 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 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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