

## Anti-CD31/PECAM-1 Antibody (7H367)

## Product Details

|               |              |
|---------------|--------------|
| Ig Type:      | Mouse IgG1   |
| Reactivity:   | Human        |
| Conjugation:  | Unconjugated |
| Clone:        | 7H367        |
| Purification: | Protein A    |

## Applications

|                    |   |
|--------------------|---|
| Verified Activity: | 1. Immunochemical staining of human CD31 in human liver with mouse monoclonal antibody (1:500, formalin-fixed paraffin embedded sections).    |
|                    | 2. Immunochemical staining of human CD31 in human placenta with mouse monoclonal antibody (1:500, formalin-fixed paraffin embedded sections). |
| Application:       | IHC-P   |
| Recommended        | IHC-P: 1:250-1:1000   |

## 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;C85791;PECAM-1;platelet/endothelial cell adhesion molecule 1;Cd31 |
| 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**

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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