

## Anti-CD31/PECAM-1 Antibody-APC (8085)

## Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	APC
Clone:	8085
Purification:	Protein A

## Applications

Verified Activity:	Flow cytometric analysis of Human CD31 expression. Profile of human whole blood monocytes (left panel) and granulocyte (right panel) analyzed on a FACSCalibur (BDIS, San Jose, CA). The histogram were derived from the gated events based on light scattering characteristics of monocytes and granulocytes.
Application:	FCM
Recommended	5 µl/Test, 0.1 mg/ml

## Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human CD31 / PECAM1 protein (TMPY-00970)
Antigen Species:	Human
Synonyms:	C85791;Pecam;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**

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