

Anti-CD31/PECAM-1 Antibody-APC (1074)

Product Details

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| Ig Type: | Rabbit IgG |
| Reactivity: | Mouse |
| Conjugation: | APC |
| Clone: | 1074 |
| Purification: | Protein A |

Applications

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| Verified Activity: | Flow cytometric analysis of Mouse PECAM1(CD31) expression on BABL/c splenocytes. Cells were stained with APC-conjugated anti-Mouse PECAM1(CD31). The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells. |
| Application: | FCM |
| Recommended | 5 µl/Test, 0.1 mg/ml |

Properties

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| 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

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| Immunogen: | Recombinant Protein: Mouse CD31/PECAM-1 Protein (TMPY-01619) |
| Antigen Species: | Mouse |
| Synonyms: | C85791;PECAM-1;Cd31;Pecam;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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