

30-1171: Anti-CD31 / PECAM-1 Monoclonal Antibody (Clone:MEM-05)

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| Clonality : | Monoclonal |
| Clone Name : | MEM-05 |
| Application : | ICC,IHC,FACS,WB |
| Reactivity : | Human |
| Gene : | PECAM1 |
| Gene ID : | 5175 |
| Uniprot ID : | P16284 |
| Format : | Purified |
| Alternative Name : | PECAM1 |
| Isotype : | Mouse IgG1 |
| Immunogen Information : | Leukocytes of patient suffering from LGL-type leukaemia |

Description

CD31 (platelet endothelial cell adhesion molecule-1, PECAM-1) is an inhibitory coreceptor involved in regulation of T cell and B cell signaling by a dual immunoreceptor tyrosine-based inhibitory motif (ITIM) that upon associated kinases-mediated phosphorylation provide docking sites for protein-tyrosine phosphatases. CD31 is expressed ubiquitously within the vascular compartment and is located mainly at junctions between adjacent cells. N-terminal Ig-like domain of CD31 is responsible for its homophilic binding, which plays an important role in cell-cell interactions. CD31 is a multifunctional molecule with diverse roles in modulation of integrin-mediated cell adhesion, transendothelial migration, angiogenesis, apoptosis, negative regulation of immunoreceptor signaling, autoimmunity, macrophage phagocytosis, IgE-mediated anaphylaxis and thrombosis. It is one of key regulatory molecules in vascular system.

Product Info

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| Amount : | 0.1 mg |
| Purification : | Purified by protein-A affinity chromatography |
| Storage condition : | Store at 2-8°C. Do not freeze. |

Application Note

Flow Cytometry *Recommended dilution:* 1-10 µg/ml

Western Blotting *Application note:* Non-reducing conditions