9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

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

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

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

For Research Use Only. Not for use in diagnostic/therapeutics procedures.