

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

30-1862: Biotin Conjugated, Anti-CD31 / PECAM-1 Monoclonal Antibody (Clone:MEM-05)

Clonality: Monoclonal Clone Name: MEM-05

Application: ICC,IHC,FACS,WB

Reactivity: Human

Conjugate: Biotin

Gene: PECAM1

Gene ID: 5175

Uniprot ID: P16284

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

Storage condition : Store at 2-8°C. Do not freeze.

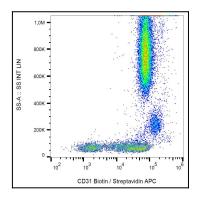


Figure 1: Surface staining of human peripheral blood with anti-human CD31 (MEM-05) biotin.