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30-2428: PerCP Conjugated, Anti-CD31 / PECAM-1 Monoclonal Antibody (Clone:MEM-05)

Clonality :	Monoclonal
Clone Name :	MEM-05
Application :	FACS
Reactivity :	Human
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 :	100 tests
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

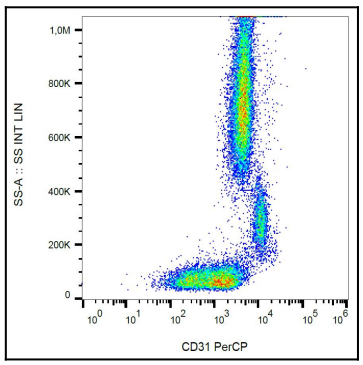

Figure 1: Surface staining of human peripheral blood with anti-human CD31 (MEM-05) PerCP.

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