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## 30-2189: PE Conjugated, Anti-CD31 / PECAM-1 Monoclonal Antibody (Clone:MEM-05)

Clonality: Monoclonal Clone Name: MEM-05 **FACS** Application: Reactivity: Human Conjugate: PΕ 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.

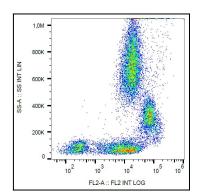


Figure 1: Surface staining of human peripheral blood with anti-human CD31 (MEM-05) PE.