

CD31 (N-term) Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250589

Unit: 0.1 mg

Description:

CD31 (PECAM1) is a member of the immunoglobulin (Ig) superfamily that is expressed on the surface of circulating platelets, monocytes, neutrophils, and particular T-cell subsets. CD31 is also a major constituent of the endothelial cell intercellular junction, where up to an estimated 1 million molecules are concentrated. Because of this cellular expression pattern, CD31 is implicated in several functions, including transendothelial migration of leukocytes, angiogenesis, and integrin activation. Ig superfamily members are known to mediate cell adhesion, or antigen recognition, e.g. immunoglobulins, T-cell receptors, and MHC molecules. In addition, a subgroup comprising 30 members characterized by the presence of one or more immunoreceptor tyrosine-based inhibitory motifs (ITIMs) within their cytoplasmic domain has also been recognized. CD31, which has 6 ITIMs within its cytoplasmic domain, is a member of this subfamily.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: B, H, M, P, R, Sh

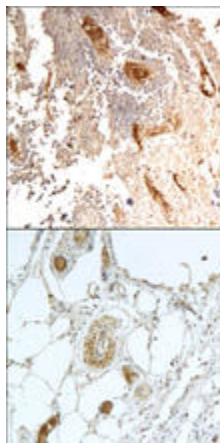
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Platelet endothelial cell adhesion molecule; PECAM-1; EndoCAM; CPIIA⁺; CD31 antigen; PECAM1

Accession No.: P16284

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human CD31.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



CD31 staining in rat fat tissue. Paraffin-embedded rat fat tissue is stained with CD31 (N-term) Antibody (Cat. No. 250589) used at a 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: Lips K et al. 2013. PLoS ONE. 8(10):e77259. PMID# 24130867

For research use only, not for diagnostic or therapeutic procedures.