

## Product datasheet for **AP14112PU-N**

### CD31 (PECAM1) (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This CD31 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human CD31.
Specificity:	This antibody recognizes CD31.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	platelet and endothelial cell adhesion molecule 1
Database Link:	<a href="#">Entrez Gene 5175 Human P16284</a>



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**Background:**

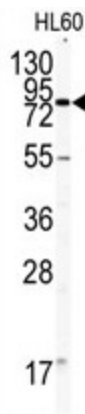
CD31, also known as platelet endothelial cell adhesion molecule 1 (PECAM1), is a type I integral membrane glycoprotein and a member of the immunoglobulin superfamily of cell surface receptors. It is constitutively expressed on the surface of endothelial cells, and concentrated at the junction between them. It is also weakly expressed on many peripheral lymphoid cells and platelets.

CD31 has been used to measure angiogenesis in association with tumor recurrence. Other studies have also indicated that CD31 and CD34 can be used as markers for myeloid progenitor cells and recognize different subsets of myeloid leukemia infiltrates (granular sarcomas).

CD31 is a cell adhesion molecule expressed on platelets and at endothelial cell intercellular junctions.

**Synonyms:**

PECAM-1, EndoCAM, GPIIA'

**Product images:**

Western blot analysis of CD31 antibody (C-term) in HL60 cell line lysates (35ug/lane). CD31 (arrow) was detected using the purified Pab.