

PE anti-human CD31 Antibody

Catalog# / Size	377146 / 25 tests 377147 / 100 tests
Clone	W23064D
Regulatory Status	RUO
Other Names	PECAM-1, EndoCAM
Isotype	Rat IgG2a, κ
Description	CD31, also known as platelet endothelial cell adhesion molecule-1 (PECAM-1) or Endocam, is a 130-140 kD type I transmembrane glycoprotein. It is expressed on monocytes, platelets, granulocytes, endothelial cells and lymphocyte subsets. CD31 has been reported to bind to CD38 and is involved in wound healing, angiogenesis, and cellular migration in an inflammatory situation.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Recombinant human CD31.
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)

Antigen Details

Structure	Ig superfamily, type I transmembrane glycoprotein, 130-140 kD
Distribution	Monocytes, platelets, granulocytes, endothelial cells, lymphocyte subset
Function	Cell adhesion, signal transduction
Ligand/Receptor	CD38
Cell Type	Endothelial cells, Granulocytes, Lymphocytes, Monocytes, Neutrophils, Platelets

Biology Area	Angiogenesis, Cell Adhesion, Cell Biology, Immunology, Neuroinflammation, Neuroscience
Molecular Family	Adhesion Molecules, CD Molecules
Antigen References	1. DeLisser H, <i>et al.</i> 1994. <i>Immunol. Today.</i> 15:490. 2. Newman P. 1997. <i>J Clin Invest.</i> 99:3. 3. Fawcett J, <i>et al.</i> 1995. <i>J Cell Biol.</i> 128:1229.
Gene ID	5175

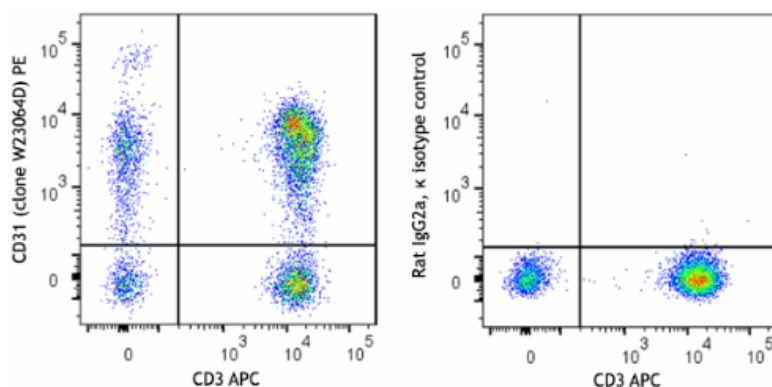
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)
- [Cell Surface Flow Cytometry Staining of Whole Blood](#)

Other Formats

PE anti-human CD31

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD3 (clone UCHT1) APC and anti-human CD31 (clone W23064D) PE (left), or rat IgG2a, κ PE isotype control (right).

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