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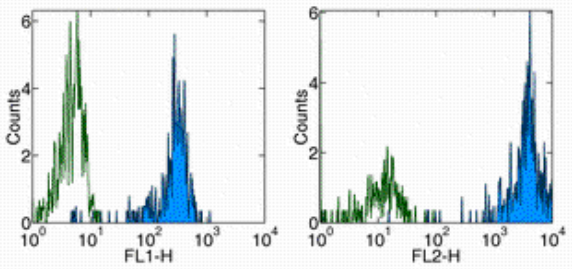
Anti-Human CD31 (PECAM-1) Purified

Catalog Number: 14-0319
Also Known As: Platelet-Endothelial Cell Adhesion Molecule 1
RUO: For Research Use Only



Surface staining of normal human peripheral blood cells with Anti-Human CD31 (PECAM-1) FITC (left) and PE (right). Appropriate isotype controls were used (open histogram). Cells in the monocyte population were used for analysis.

Product Information

Contents: Anti-Human CD31 (PECAM-1) Purified
REF **Catalog Number:** 14-0319
Clone: WM-59 (WM59)
Concentration: 0.5 mg/mL
Host/Isotype: Mouse IgG1, kappa
HLDA Workshop: V P025

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.
LOT **Batch Code:** Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The WM59 monoclonal antibody reacts with human CD31, also known as platelet-endothelial cell adhesion molecule-1 (PECAM-1) and gpIIa. This 130-140 kDa surface protein is expressed by endothelial cells and at low levels on leukocytes and platelets. It has been reported that CD38 binds to CD31. Homotypic interaction of CD31 is important in adhesion, cell-cell and cell-matrix interaction, and signal transduction.

Applications Reported

The WM-59 (WM59) antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining of frozen tissue sections.

Applications Tested

The WM-59 (WM59) antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Porat Y, Porozov S, Belkin D, Shimoni D, Fisher Y, Belleli A, Czeiger D, Silverman WF, Belkin M, Battler A, Fulga V, Savion N. Isolation of an adult blood-derived progenitor cell population capable of differentiation into angiogenic, myocardial and neural lineages. British Journal of Haematology 2006 (**WM-59**, ICC, PubMed)

Kishimoto, T., A.E.G., von dem Borne, et al. eds. (1998) Leucocyte Typing VI: White Cell Differentiation Antigens. Garland Publishing, Inc. London.

Schlossman, S., L. Bloumsell, et al. eds. 1995. Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.

Related Products

11-4011 Anti-Mouse IgG FITC
14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.1)