

Anti-Human CD106 (VCAM-1) PE

Catalog Number: 12-1069

Also Known As: VCAM1, vascular cell adhesion molecule-1

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Human CD106 (VCAM-1) PE

 **Catalog Number:** 12-1069

Clone: STA

Concentration: 5 uL (0.125 ug)/test

Host/Isotype: Mouse IgG1, kappa

HLDA Workshop: V A013

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The STA monoclonal antibody reacts with human CD106 (Vascular Cell Adhesion Molecule-1, VCAM-1), a 110 kDa transmembrane glycoprotein expressed by myeloid lineage and bone marrow stromal cells. Endothelial cells constitutively express low levels of CD106 and upregulate it upon cytokine stimulation. CD106 binds to Integrin $\alpha_4\beta_1$ (VLA-4, CD49d/CD29) and Integrin $\alpha_4\beta_7$ (LPAM-1). Cytokine-mediated upregulation of CD106 on endothelial cells suggests a role for this antigen in the inflammatory response.

Applications Reported

STA has been reported for use in flow cytometric analysis.

Applications Tested

This STA antibody has been pre-titrated and tested by flow cytometric analysis of TNF α -activated HUVEC cells. This can be used at 5 μ L (0.125 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

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

Related Products

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.1)

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