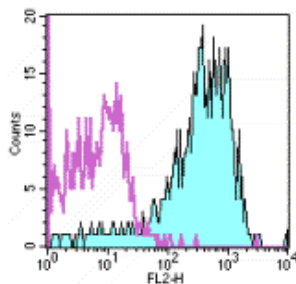


## Anti-Human CD49d (Integrin alpha 4) PE

Catalog Number: 12-0499

Also Known As: Integrin  $\alpha_4$ , VLA4, ITGA4

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



Staining of normal human peripheral blood cells with Mouse IgG1 kappa Isotype Control PE (cat. 12-4714) (open histogram) or Anti-Human CD49d (Integrin alpha 4) PE (filled histogram). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human CD49d (Integrin alpha 4) PE

**REF** **Catalog Number:** 12-0499

**Clone:** 9F10

**Concentration:** 5  $\mu$ L (0.125  $\mu$ g)/test

**Host/Isotype:** Mouse IgG1, kappa

**HLDA Workshop:** V S215

**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 9F10 monoclonal antibody reacts with human CD49d, the 150 kDa integrin  $\alpha_4$  subunit. The complex of CD49d non-covalently associated with integrin  $\beta_1$  (CD29), also known as VLA-4, is a receptor for fibronectin and VCAM-1 (CD106). This complex is expressed by thymocytes, peripheral lymphocytes, monocytes and eosinophils. CD49d also associates with integrin  $\beta_7$  and binds to the Mucosal Addressin Cell-Adhesion Molecule-1 (MadCAM-1).

### Applications Reported

The 9F10 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This 9F10 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5  $\mu$ L (0.125  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ 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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