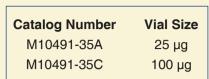
PE/Cy5 Anti-Mouse CD49d Monoclonal Antibody





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Important Note: Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.

Purified Antibody Characterization

Clone	Isotype	Reactivity
PS/2	Rat IgG2b	Mouse

Description

CD49d is a 150 kD glycoprotein, also known as $\alpha4$ integrin or VLA-4 α chain. It is a member of the integrin family, expressed on T and B cells, monocytes, eosinophils, basophils, mast cells, thymocytes, NK cells, and dendritic cells. CD49d is a heterodimer expressed with either of two β chains, $\beta1$ (CD29) or $\beta7$, to form the VLA-4 (integrin $\alpha4\beta1$) or LPAM-1 (integrin $\alpha4\beta7$) complexes. CD49d plays a critical role in both adhesion and T cell costimulation. The primary ligands for CD49d are VCAM-1, MAdCAM-1, and fibronectin.

Product Information

Conjugation: PE/Cy5

Formulation: PBS pH 7.2, 0.09% NaN₃,

0.2% BSA

Concentration: 0.2 mg/ml

Storage: Keep as concentrated solution. Store at 4°C and protected from prolonged

exposure to light. Do not freeze.

Application: Recommended Application: FC

Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis(The amount of the reagent is suggested to be used ≤ 1.0 µg /10⁶ cells in 100 µl). Since applications vary, the appropriate dilutions must be determined for individual use.

References

- [1] Barclay AN, et al. 1997. The Leukocyte Antigen FactsBook Academic Press.
- [2] Lobb RR, et al. 1994 J. Clin. Invest. 94:1722.
- [3] Berlin C, et al. 1993. Cell 74:185.

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