

## PE Anti-Mouse CD49d Monoclonal Antibody



天津三箭生物技术股份有限公司  
Tianjin Sungene Biotech Co., Ltd.  
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
M10491-09B	50 µg
M10491-09D	500 µg

<b>Market</b>	400-621-0003 marketing@sungenebiotech.com
<b>Support</b>	022-66211636-8024 techsupport@sungenebiotech.com
<b>Web</b>	www.sungenebiotech.com

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

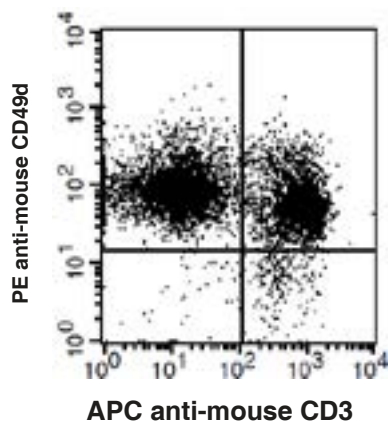
## Purified Antibody Characterization

Clone	Isotype	Reactivity
PS/2	Rat IgG2b	Mouse

## Description

CD49d is a 150 kD glycoprotein, also known as  $\alpha 4$  integrin or VLA-4  $\alpha$  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  $\beta$  chains,  $\beta 1$  (CD29) or  $\beta 7$ , to form the VLA-4 (integrin  $\alpha 4\beta 1$ ) or LPAM-1 (integrin  $\alpha 4\beta 7$ ) 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.

## Illustration of Immunofluorescent Staining



C57BL/6 mouse splenocytes were stained with APC anti-mouse CD3 and PE anti-mouse CD49d

## Product Information

**Conjugation:** PE

**Formulation:** PBS pH 7.2, 0.09%  $\text{NaN}_3$ , 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  $\leq 0.06 \mu\text{g} / 10^6$  cells in 100  $\mu\text{l}$ ). 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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