

Biotin 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
M10491-08B	50 µg
M10491-08E	500 µg

Market	400-621-0003 marketing@sungenebiotech.com
Support	022-66211636-8024 techsupport@sungenebiotech.com
Web	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 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, $\beta 1$ (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.

Product Information

Conjugation: Biotin

Formulation: PBS pH 7.2, 0.09% NaN_3 , 0.2% BSA

Concentration: 0.5 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 $\leq 0.25 \mu\text{g} / 10^6$ 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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