Store at 4°C

Biotin Anti-Mouse NK1.1 (CD161) Monoclonal Antibody

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精准 高效 稳定 Precision Efficient Stable

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Catalog Number	Vial Size
M100N2-08B	50 µg
M100N2-08E	500 µg

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

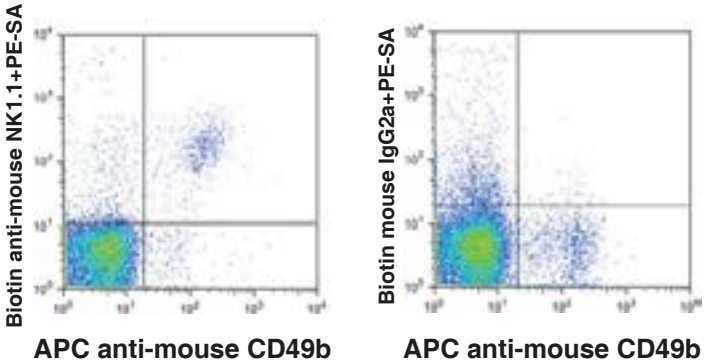
Purified Antibody Characterization

Clone	Isotype	Reactivity
PK136	Mouse IgG2a	Mouse

Description

NK-1.1 surface antigen is encoded by the NKR-P1B/NKR-P1C gene, also known as CD161b/CD161c and Ly-55. It is expressed on NK cells and NK-T cells in some mouse strains, including C57BL/6, FVB/N, and NZB, but not AKR, BALB/c, CBA/J, C3H, DBA/1, DBA/2, NOD, SJL, and 129. Expression of NKR-P1C antigen has been correlated with lysis of tumor cells in vitro and rejection of bone marrow allografts in vivo. NK-1.1 has also been shown to play a role in NK cell activation, IFN-γ production, and cytotoxic granule release. NK-1.1 and DX5 are commonly used as mouse NK cell markers.

Illustration of Immunofluorescent Staining



C57BL/6 mouse splenocytes stained with APC anti-mouse CD49b and Biotin anti-mouse NK1.1(left) or mouse IgG2a isotype control(right), followed by PE-SA

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 ≤ 0.25 µg /10^6 cells in 100 µl). Since applications vary, the appropriate dilutions must be determined for individual use.

References

[1] Carlyle, J.R., et al. 1999. J. Immunol. 162:5917.
[2] Sentman, C.L., etal. 1989. Hybridoma 8:605.
[3] Koo, G.C., et al. 1984. Hybridoma 3:301.
[4] Sentman, C.L., et al. 1989. J. Immunol. 142:1847.
[5] Koo, G.C., et al. 1986. J. Immunol. 137:3742.
[6] Karlhofer, F.M., et al. 1991. J. Immunol. 146:3662.

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