

PE Anti-Mouse NK1.1 (CD161) 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
M100N2-09B	50 µg
M100N2-09D	200 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.

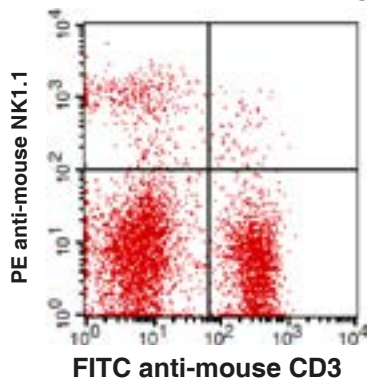
Purified Antibody Characterization

Clone	Isotype	Reactivity
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 FITC anti-mouse CD3 and PE anti-mouse NK1.1

Product Information

Conjugation: PE

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 ≤ 0.25 µg /10⁶ 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., et al. 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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