Store at 4°C

# FITC Anti-Mouse NK1.1 (CD161) Monoclonal Antibody

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| Catalog Number | Vial Size |
|---|---|
| M100N2-02B | 50 µg |
| M100N2-02E | 500 µg |

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

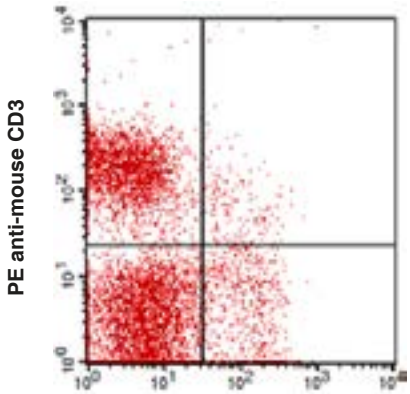
## Purified Antibody Characterization

| 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




**FITC anti-mouse NK1.1**

C57BL/6 mouse splenocytes stained with FITC anti-mouse NK1.1 and PE anti-mouse CD3

## Product Information

**Conjugation:** FITC

**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.

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