

## APC 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
M100N2-11A	25 µg
M100N2-11C	100 µg

**Market** | 400-621-0003  
marketing@sungenebiotech.com

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

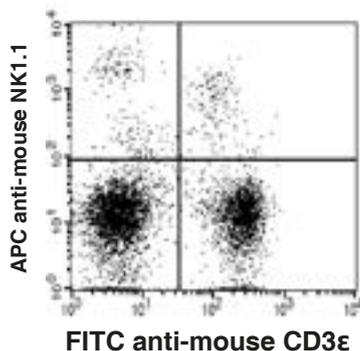
### Purified Antibody Characterization

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- $\gamma$  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 NK1.1 and FITC anti-mouse CD3 $\epsilon$

### Product Information

**Conjugation:** APC

**Formulation:** PBS pH 7.2, 0.09% NaN<sub>3</sub>,  
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  $\leq 1.0$   
 $\mu\text{g} / 10^6$  cells in 100  $\mu\text{l}$ ). Since applications  
vary, the appropriate dilutions must be  
determined for individual use.

### References

- [1] 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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