



**SZABO  
SCANDIC**

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## Anti-Mouse NK Cells (NK 1.1) Monoclonal Antibody

Catalogue#	Format	Size	Concentration	Isotype Control
<b>CL8994AP</b>	Purified	250µg	1.0 mg/ml	CLCMG2A00
<b>CL8994AP-BULK</b>	Purified	1mg	1.0 mg/ml	CLCMG2A00
<b>CL8994LE</b>	Low Endotoxin	500µg	1.0 mg/ml	CLCMG2A00
<b>CL8994NA</b>	No Azide	1mg	1.0 mg/ml	CLCMG2A00
<b>CL8994B/-3</b>	Biotin	100µg/300µg	0.1 mg/ml	CLCMG2A15
<b>CL8994F</b>	FITC	100µg	0.1 mg/ml	CLCMG2A01
<b>CL8994PE/-3</b>	PE	50µg/300µg	0.1 mg/ml	CLCMG2A04
<b>CL8994APC</b>	APC	100µg	0.1 mg/ml	CLCMG2A05
<b>CL8994AF4</b>	Alexa Fluor®488	100 µg	0.1 mg/ml	N/A
<b>CL8994AF6</b>	Alexa Fluor®647	100 µg	0.1 mg/ml	N/A
<b>CL8994AF7</b>	Alexa Fluor®700	100 µg	0.1 mg/ml	N/A

Alexa Fluor® is a registered trademark of Life Technologies Corporation.

Isotype: Mouse IgG2a

### DESCRIPTION:

Cedrelane's anti-mouse NK cells monoclonal antibody is specific for mouse NK cells in selected strains of mice (i.e.C57BL, FVB/N, NZB but not A, AKR, BALB/c, CBA/J, C3H, C57BR, C58, DBA/1, DBA/2, SJL and 129). Clone PK136 is specific for mouse NK1.1, also known as NKR-PIC and Ly 55. Mouse NK1.1 is expressed on NK cells and NKT cells on the following strains: C57BL, FVB/N and NZB. There are published reports that PK136 mAb binds to NKR-PIB on SJL/K NK cells<sup>4</sup>.

This antibody is suitable for use in flow cytometry and with paraffin-embedded sections. This clone has also been reported to work for *in-vitro* and *in-vivo* depletion assays<sup>5,6,7</sup>.

### PRESENTATION:

**Purified:** Purified IgG buffered in PBS and 0.02% NaN<sub>3</sub>. (Purified from ascitic fluid via Protein G Chromatography). For maximal recovery of contents, please quick-spin vial before opening.

**LE:** Purified Ig buffered in PBS, no preservative, 0.2µm sterile filtered. (Purified from cell culture supernatant via Protein G Chromatography)

**No Azide:** Purified Ig buffered in PBS, no preservative, 0.2µm sterile filtered. (Purified from ascitic fluid via Protein G Chromatography)

**Biotin, FITC, APC, PE, AF488, AF647 and AF700:** Biotin/FITC/APC/AF488/AF647/AF700 conjugated IgG buffered in PBS, 0.02% NaN<sub>3</sub> and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

Visit our website for your local distributor.

# CEDARLANE®

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e-mail: service@cedarlanelabs.com

### **STORAGE/STABILITY:**

For all formats, store at 4°C. DO NOT FREEZE **APC**, **PE**, **AF488**, **AF647** and **AF700** conjugates. For long term storage (**Purified**, **Biotin** and **FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

### **SPECIFICATIONS:**

Clone: PK136

Immunogen: NK-1<sup>+</sup> cells from mouse spleen and bone marrow.

Specificity: Mouse NK Cells (NK1.1)

### **TEST RESULTS:**

#### Tissue Distribution by Flow Cytometry Analysis:

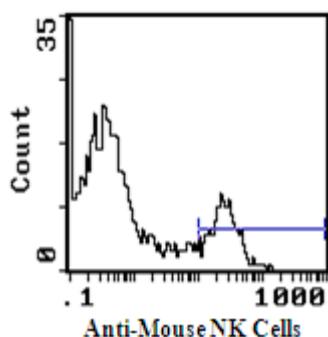
Mouse Strain: C57BL/6

Cell Concentration: 1.0 x 10<sup>6</sup> cells per test

Antibody Concentration Used: 0.5µg /10<sup>6</sup> cells

<u>Cell Source</u>	<u>Percentage of cells stained above control:</u>
Splenice T Cells*	13.3%

\*(T cells isolated with CL101 – Cedarlane's Mouse T Cell Recovery Column Kit)



**N.B. Appropriate control samples should always be included in any labeling studies.**

**\* For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

### **REFERENCES:**

1. Koo, G.C. and Peppard, J.R. 1981. Establishment of monoclonal anti-NK-1.1 antibody, *Hybridoma* 3:301-303.
2. Koo, G.C., Dumont, F., Hackett, J.Jr., Tutt, M. and Kumar, V. 1986. The NK-1/1(-) mouse: A model to study differentiation of murine NK cells. *J. Immunol.* 137:3742-3737.
3. Kung, S.K.P., and Miller, R.G. 1985. The NK1.1 antigen in NK-mediated F1 antiparent killing in vitro. *J. Immunol.* 154:1624.
4. Kung, S.K.P., Ruey-Chyi, S., Shannon, J. and R. Miller. 1999. The NKR-P1B Gene product is an inhibitory receptor on SJL/J NK cells. *J. Immunol.* 162 (10) 5876.
5. Wang, M., et al, 1998. Natural Killer Cell Depletion Fails to Influence Initial CD4 T Cell Commitment In Vivo in Exogenous Antigen-Stimulated Cytokine and Antibody Responses. *J. Immunol* 160: 1098-1105.
6. Zhao, Y., Sergio, J., Swenson, K., Arn, J., et al, 1997. Positive and Negative Selection of Functional Mouse CD4 Cells by Porcine MHC in Pig Thymus Grafts. 159: 2100-2107.
7. Williams, N.S., and Engelhard, V. 1997. Perforin-Dependent Cytotoxic Activity and Lymphokine Secretion by CD4+ T cells are Regulated by CD8+ Tcells. *J. Immunology* 159: 2091-2099.

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