



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)

Technically
Speaking

CEDARLANE[®]
www.cedarlanelabs.com



Conveniently Delivering You Today's Innovations
for the Science of Tomorrow™

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

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

Cedarlane'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 cells⁴.

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^{5,6,7}.

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (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% NaN₃ 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[®]



www.cedarlanelabs.com

An ISO 9001:2000 and ISO 13485:2003
registered company.

In CANADA: Toll Free: 1-800-268-5058

4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020
e-mail: general@cedarlanelabs.com

In the USA: Toll Free: 1-800-721-1644

1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138
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⁺ cells from mouse spleen and bone marrow.

Specificity: Mouse NK Cells (NK1.1)

TEST RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

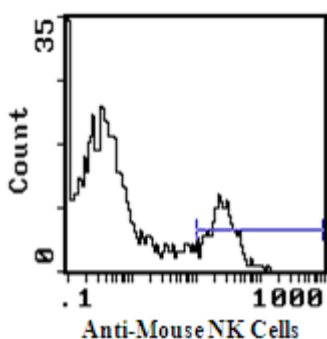
Mouse Strain: C57BL/6

Cell Concentration: 1.0 x 10⁶ cells per test

Antibody Concentration Used: 0.5µg /10⁶ 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.

FOR RESEARCH USE ONLY