

NK1.1 Monoclonal Antibody (PK136), PerCP-Cyanine5.5, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Fish, Mouse, Human
Host/Isotope	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), PerCP-Cyanine5.5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	PK136
Conjugate	PerCP-Cyanine5.5
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_914361

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	0.5 µg/test	30 Publications

Product Specific Information

Description: The PK136 monoclonal antibody reacts with mouse NK1.1, an antigen expressed by natural killer cells and a subset of T cells in the NK1.1 mouse strains including C57BL and NZB. Several commonly used laboratory mouse strains such as BALB/c, SJL, AKR, CBA, C3H and A do not express the NK1.1 antigen. For detection of NK cells in these strains the monoclonal antibody DX5 (Cat. No. 14-5971) should be used. Simultaneous staining of C57BL/6 spleen cells with PK136 and DX5 reveals coexpression of both markers by a majority of cells as well as presence of small populations of DX5+PK136- and DX5-PK136+ cells.

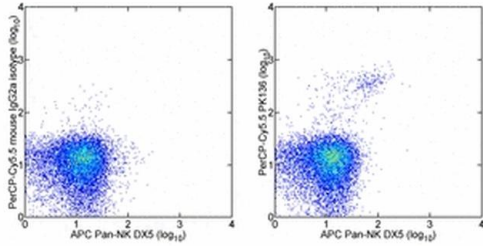
Applications Reported: This PK136 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This PK136 antibody has been tested by flow cytometric analysis of C57Bl/6 mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488 nm; Emission: 695 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For NK1.1 Monoclonal Antibody (PK136), PerCP-Cyanine5.5, eBioscience™



NK1.1 Antibody (45-5941-82) in Flow

Staining of C57BL/6 splenocytes with Anti-Mouse CD49b (Integrin alpha 2) APC (Product # 17-5971-82) and 0.25 µg of Mouse IgG2a K Isotype Control PerCP-Cyanine5-5 (Product # 45-4724-82) (left) or 0.25 µg of Anti-Mouse NK1-1 PerCP-Cyanine5-5 (right). Total viable cells were used for analysis.

[View more figures on thermofisher.com](#)

30 References

Flow Cytometry (30)

Frontiers in neurology

IL-2/Anti-IL-2 Complex Attenuates Inflammation and BBB Disruption in Mice Subjected to Traumatic Brain Injury.

"Published figure using NK1.1 monoclonal antibody (Product # 45-5941-82) in Flow Cytometry"

Authors: Gao W,Li F,Zhou Z,Xu X,Wu Y,Zhou S,Yin D,Sun D,Xiong J,Jiang R,Zhang J

Species

Not Applicable

Dilution

Not Cited

Year

2018

Nature communications

Plasmodium co-infection protects against chikungunya virus-induced pathologies.

"Published figure using NK1.1 monoclonal antibody (Product # 45-5941-82) in Flow Cytometry"

Authors: Teo TH,Lum FM,Ghaffar K,Chan YH,Amrun SN,Tan JLL,Lee CYP,Chua TK,Carissimo G,Lee WWL,Claser C,Rajarethinam R,Rénia L,Ng LFP

Species

Not Applicable

Dilution

Not Cited

Year

2018

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

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