

NK1.1 Monoclonal Antibody (PK136), eVolve™ 655, eBioscience™

Product Details

Size	25 Tests
Published Species	Mouse
Host/Isotype	Mouse / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	PK136
Conjugate	eVolve™ 655
Form	Liquid
Concentration	5 µL/Test
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2574799

Applications

Tested Dilution

Publications

Flow Cytometry (Flow)	5 µL/test	27 Publications
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Product Specific Information

Notice: The eVolve™ line of antibody conjugates will be discontinued at the end of February, 2018 and replaced with our improved Invitrogen™ eBioscience™ Super Bright conjugated antibodies for flow cytometry. Individual eVolve catalog numbers will become unavailable as inventory depletes. This item has a corresponding Super Bright 645 format available - please see Product # 64-591-42. We will continue to offer a selection of Qdot conjugated antibodies.

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 pre-titrated and tested by flow cytometric analysis of mouse splenocytes. This can be used at 5 µL per test. A test is defined as the amount 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.

For best results when using antibodies conjugated to eVolve™, we recommend a quick spin of the vial before use and avoid touching the bottom of the vial with the pipet tip.

Laser/Filter Recommendation: eVolve™ 655 can be optimally excited with laser lines from 325-405 nm, and emits near 655 nm. We recommend using the violet (405 nm) laser line for excitation and a 630LP with a 660/40 bandpass filter, or equivalent, for detection.

Fixation Recommendation: Antibodies conjugated to eVolve™ are compatible with eBioscience's fixation and permeabilization buffers.

Excitation: 350-635 nm; Emission: 657 nm; Laser: Ultraviolet Laser, Violet Laser

Storage and handling: For best results when using antibodies conjugated to eVolve™, we recommend a quick spin of the vial before use and avoid touching the bottom of the vial with the pipet tip.

📄 27 References

Flow Cytometry (27)

Cell death & disease	Year 2022
Valosin-containing protein (VCP/p97) inhibition reduces viral clearance and induces toxicity associated with muscular damage.	
"Published figure using NK1.1 monoclonal antibody (Product # 86-5941-42) in Flow Cytometry"	
Authors: Del Rio Oliva M,Basler M	
Frontiers in aging neuroscience	Year 2022
Peripheral Neutrophils-Derived Matrix Metalloproteinase-9 Induces Postoperative Cognitive Dysfunction in Aged Mice.	
"Published figure using NK1.1 monoclonal antibody (Product # 86-5941-42) in Flow Cytometry"	
Authors: Huang L,Tian W,Chen X,Xu H,Dai W,Zhang Y,Wu X,Yu W,Tian J,Su D	

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

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