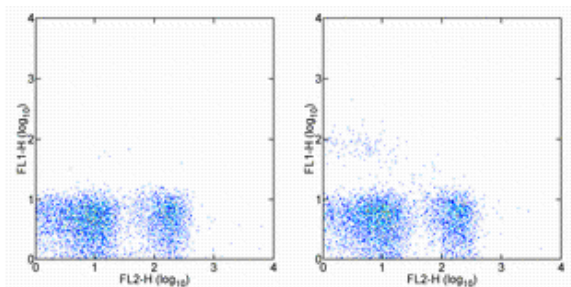


Anti-Mouse NK1.1 Purified

Catalog Number: 14-5941

Also Known As: CD161, NKR-P1C, Ly-55

RUO: For Research Use Only



Staining of C57BL/6 splenocytes with Anti-Mouse CD3e PE (cat. 12-0031) and 0.25 ug of Mouse IgG2a K Isotype Control Purified (cat. 14-4724) (left) or 0.25 ug of Anti-Mouse NK1.1 Purified (right) followed by Anti-Mouse IgG FITC (cat. 11-4011). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse NK1.1 Purified

REF **Catalog Number:** 14-5941

Clone: PK136

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG2a, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

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

PK136 can be used for flow cytometric analysis, immunoprecipitation, depletion of NK cells, and *in vitro* functional studies (use Functional Grade purified for functional studies).

Applications Tested

The PK136 antibody has been tested by flow cytometric analysis of C57BL/6 mouse splenocyte suspensions and 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.

References

Kitaichi N, Kotake S, Morohashi T, Onoe K, Ohno S, Taylor AW. Diminution of experimental autoimmune uveoretinitis (EAU) in mice depleted of NK cells. *J Leukoc Biol.* 2002 Dec;72(6):1117-21. (**PK136**, *in vivo* depletion, PubMed)

Koo, G. C. and J. R. Peppard. Establishment of monoclonal anti-Nk-1.1 antibody. *Hybridoma* 1984. 3(3): 301-3.

Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-0031 Anti-Mouse CD3e PE (145-2C11)

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-4724 Mouse IgG2a K Isotype Control Purified

17-4317 Streptavidin APC

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