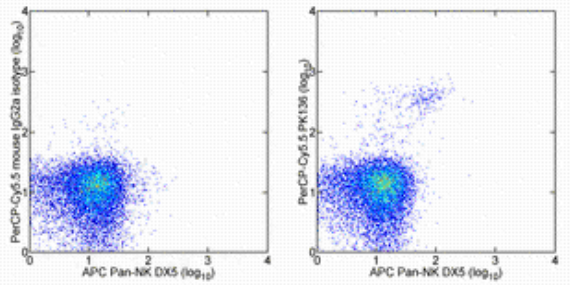
Anti-Mouse NK1.1 PerCP-Cyanine5.5

Catalog Number: 45-5941
Also Known As:CD161, NKR-P1C, Ly-55
RUO: For Research Use Only. Not for use in diagnostic procedures.



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

Product Information

Contents: Anti-Mouse NK1.1 PerCP-Cyanine5.5
REF **Catalog Number:** 45-5941
Clone: PK136
Concentration: 0.2 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. Do not freeze. Light sensitive material.
LOT **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

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 C57/BL6 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 10^5 to 10^8 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

17-5971 Anti-Mouse CD49b (Integrin alpha 2) APC (DX5)
45-4724 Mouse IgG2a K Isotype Control PerCP-Cyanine5.5

Legal