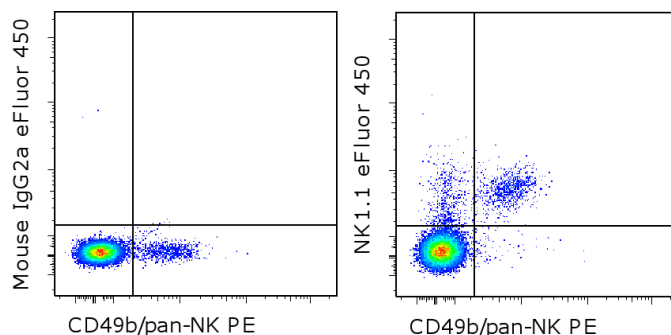


Anti-Mouse NK1.1 eFluor® 450

Catalog Number: 48-5941

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) PE (cat. 12-5971) and 0.5 ug of Mouse IgG2a K Isotype Control eFluor® 450 (cat. 48-4724) (left) or 0.5 ug of Anti-Mouse NK1.1 eFluor® 450 (right). Total viable cells were used for analysis.

Product Information



Contents: Anti-Mouse NK1.1 eFluor® 450

Catalog Number: 48-5941

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.



Batch Code: Refer to vial



Use By: Refer to vial

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 splenocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (ug) 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.

eFluor® 450 is a replacement for Pacific Blue®. eFluor® 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

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

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Anti-Mouse NK1.1 eFluor® 450

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12-5971 Anti-Mouse CD49b (Integrin alpha 2) PE (DX5)

48-4724 Mouse IgG2a K Isotype Control eFluor® 450

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