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APC Anti-Mouse CD161/NK1.1 Antibody[PK136]

Catalog Number: E-AB-F0987UE

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Mouse
Host Mouse

Isotype Mouse IgG2a, κ

Clone No. PK136

Isotype Control APC Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09803E]

Conjugation APC

Conjugation Information APC is designed to be excited by the Red (627-640 nm) laser and detected using an

optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

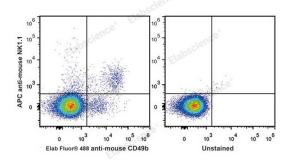
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 μ g/10⁶ cells in 100 μ L volume].

Data



C57BL/6 murine splenocytes are stained with APC Anti-

Mouse CD161/NK1.1 Antibody and Elab Fluor[®] 488 Anti-Mouse CD49b Antibody (Left). Unstained splenocytes are used as control.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8 $^{\circ}\text{C}$ for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names CD161 antigen-like family member C;CD161;NK1.1;CD161c;Killer cell lectin-like

receptor subfamily B member 1C;KIrb1c;Ly-55c;NKR-P1 40;NKR-P1.9;NKR-P1C

Uniprot ID P27814;P27812;Q99JB4

Gene ID 17059;80782

For Research Use Only

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Background

NK-1.1 surface antigen, also known as CD161b/CD161c and Ly-55, is encoded by the NKR-P1B/NKR-P1C gene. It is expressed on NK cells and NK-T cells in some mouse strains, including C57BL/6, FVB/N, and NZB, but not AKR, BALB/c, CBA/J, C3H, DBA/1, DBA/2, NOD, SJL, and 129. Expression of NKR-P1C antigen has been correlated with lysis of tumor cells in vitro and rejection of bone marrow allografts in vivo. NK-1.1 has also been shown to play a role in NK cell activation, IFN-γ production, and cytotoxic granule release. NK-1.1 and DX5 are commonly used as mouse NK cell markers.

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