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PE/Cyanine5 Anti-Mouse CD161/NK1.1 Antibody[PK136]

E-AB-F0987UG Catalog No. Reactivity Mouse Storage Store at 2~8°C, Avoid freeze / thaw cycles **Applications FCM**

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

Antigen Information

Alternate Names Killer cell lectin-like receptor subfamily B member 1C, Klrb1c, CD161 antigen-like family

member C,Ly-55c,CD161/NK1.1,NKR-P1.9,NKR-P1C,NKR-P1 40,CD161c

Uniprot ID P27814,P27812,Q99JB4

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-y production, and cytotoxic granule release. NK-1.1 and DX5 are commonly

used as mouse NK cell markers.

Product Details

Form Liquid Concentration 0.2 mg/mL Size 25µg/100µg Clone No. PK136 Host Mouse

Isotype Mouse IgG2a, κ

Reactivity Mouse **Application FCM**

Isotype Control PE/Cyanine5 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09803G]

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Shipping Biological ice pack at 4 °C Stability & Storage Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.

This product is guaranteed up to one year from purchase.

For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017 Web: www.elabscience.com

Email: techsupport@elabscience.com



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Fluorophore

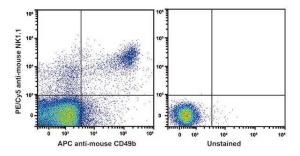
Conjugation: PE/Cyanine5

PE/Cyanine5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm (e.g., a 690/50 nm bandpass filter).

Recommended usage

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 $\mu g/10^6$ cells in $100~\mu L$ volume].

Product data



C57BL/6 murine splenocytes are stained with PE/Cyanine5 Anti-Mouse CD161/NK1.1 Antibody and APC Anti-Mouse CD49b Antibody (Left). Unstained splenocytes are used as control.

Related Information

- 1. Sample Preparation for Flow Cytometry https://www.elabscience.com/List-detail-5594.html
- 2. Staining Cell Surface Targets for Flow Cytometry https://www.elabscience.com/List-detail-5568.html
- 3. Flow Cytometry Troubleshooting Tips https://www.elabscience.com/List-detail-5593.html
- 4. How to select the appropriate detection channel through the spectrogram? https://www.elabscience.com/List-detail-459742.html

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