

PerCP/Cyanine5.5 Anti-Mouse CD161/NK1.1 Antibody[PK136]

Catalog Number: E-AB-F0987UJ

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

Description

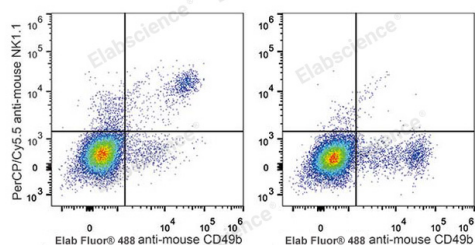
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|--------------------------------|--|
| Reactivity | Mouse |
| Host | Mouse |
| Isotype | Mouse IgG2a, κ |
| Clone No. | PK136 |
| Isotype Control | PerCP/Cyanine5.5 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09803J] |
| Conjugation | PerCP/Cyanine 5.5 |
| Conjugation Information | PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter). |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. |

Applications

Recommended usage

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| 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 $\mu\text{g}/10^6$ cells in 100 μL volume]. |
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Data



C57BL/6 murine splenocytes are stained with PerCP/Cyanine5.5 Anti-Mouse CD161/NK1.1 Antibody and Elab Fluor® 488 Anti-Mouse CD49b Antibody (Left). Splenocytes stained with Elab Fluor® 488 Anti-Mouse CD49b Antibody (Right) are used as control.

Preparation & Storage

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| Storage | Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| Shipping | Ice bag |

Antigen Information

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| Alternate Names | CD161 antigen-like family member C;CD161;NK1.1;CD161c;Killer cell lectin-like receptor subfamily B member 1C;Klrb1c;Ly-55c;NKR-P1 40;NKR-P1.9;NKR-P1C |
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For Research Use Only

Uniprot ID

P27814;P27812;Q99JB4

Gene ID

17059

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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