

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

**Catalog Number:** GFH0987UC

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

### Description

|                                |                                                                                                                                                          |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Mouse                                                                                                                                                    |
| <b>Host</b>                    | Mouse                                                                                                                                                    |
| <b>Isotype</b>                 | Mouse IgG2a, κ                                                                                                                                           |
| <b>Clone No.</b>               | PK136                                                                                                                                                    |
| <b>Isotype Control</b>         | FITC Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09803C]                                                                                      |
| <b>Conjugation</b>             | FITC                                                                                                                                                     |
| <b>Conjugation Information</b> | FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                      |

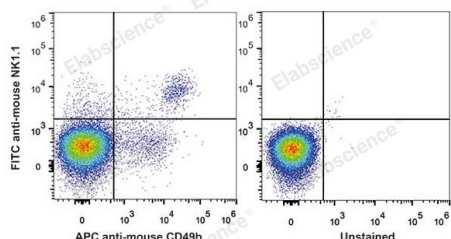
### Applications

### 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 µg/10<sup>6</sup> cells in 100 µL volume].

### Data



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

### Preparation & Storage

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

### Antigen Information

|                        |                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Alternate Names</b> | 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 |
| <b>Uniprot ID</b>      | P27814;P27812;Q99JB4                                                                                                                                  |
| <b>Gene ID</b>         | 17059;80782                                                                                                                                           |

### For Research Use Only

## 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- $\gamma$  production, and cytotoxic granule release. NK-1.1 and DX5 are commonly used as mouse NK cell markers.