

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 700 Anti-Mouse CD161/NK1.1 Antibody[PK136]

Catalog Number: E-AB-F0987UM1

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

### **Description**

Reactivity Mouse Mouse Host

Isotype Mouse IgG2a, ĸ

PK136 Clone No.

Isotype Control Elab Fluor® 700 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09803M1]

Conjugation Elab Fluor®700

**Conjugation Information** Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).

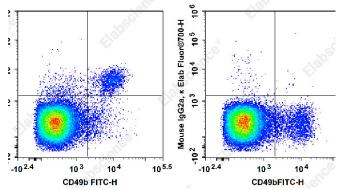
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

#### **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



Staining of C57BL/6 murine splenocytes with FITC Anti-

Mouse CD49b/pan-NK cells Antibody[DX5] and Elab Fluor® 700 Anti-Mouse CD161/NK1.1 Antibody[PK136](left) or Elab

Fluor® 700 Mouse IgG2a, κ Isotype Control(right). Total viable cells were used for analysis.

# **Preparation & Storage**

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**

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

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

**Uniprot ID** P27814;P27812;Q99JB4;

# For Research Use Only

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### **Elabscience Bionovation Inc.**



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Gene ID **Background**  17059;80782

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.

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