A Reliable Research Partner in Life Science and Medicine

Elab Fluor® Violet 450 Anti-Mouse CD161/NK1.1 Antibody[PK136]

Catalog Number: E-AB-F0987UQ

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

Description

Reactivity Mouse Host Mouse

Isotype Mouse IgG2a, ĸ

Clone No. PK136

Isotype Control Elab Fluor® Violet 450 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-

F09803Q1

Conjugation Elab Fluor® Violet 450

Conjugation Information Elab Fluor® Violet 450 is designed to be excited by the violet laser (405 nm) and

detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter).

Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA. Storage Buffer

Applications Recommended usage

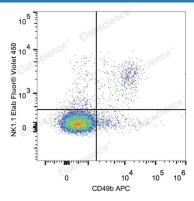
FCM Each lot of this antibody is quality control tested by flow cytometric analysis. Please

> 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/10⁶ cells

in 100 µL volume].

Data



C57BL/6 murine splenocytes are stained with Elab Fluor® Violet 450 Anti-Mouse CD161/NK1.1 Antibody and APC Anti-Mouse CD49b Antibody.

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

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

17059 Gene ID

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.