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# Elab Fluor<sup>®</sup> Violet 450 Anti-Mouse CD49b/pan-NK cells Antibody[DX5]

Catalog Number: E-AB-F1116UQ

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

#### Description

Reactivity	Mouse
Host	Rat
Isotype	Rat IgM, κ
Clone No.	DX5

Isotype Control Elab Fluor® Violet 450 Rat IgM, κ Isotype Control[RTK2118] [Product E-AB-F09773Q]

Conjugation Elab Fluor® Violet 450

**Conjugation Information** Elab Fluor<sup>®</sup> 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).

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

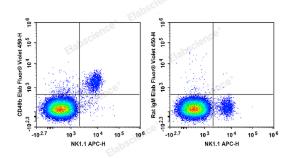
#### Applications Recommended usage

**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 APC Anti-

Mouse NK1.1 Antibody and Elab Fluor® Violet 450 Anti-Mouse CD49b Antibody (Left). Splenocytes are stained with

APC Anti-Mouse NK1.1 Antibody and Elab Fluor<sup>®</sup> Violet 450 Rat IgM,κ Isotype Control (Right).

#### **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 CD49 antigen-like family member B;CD49b;Collagen receptor;GPla;Integrin alpha-2;

Platelet membrane glycoprotein la:VLA-2 subunit alpha;pan-NK cells

Uniprot ID Q62469

### For Research Use Only

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## Elabscience®

#### **Elabscience Bionovation Inc.**

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Gene ID **Background**  16398

DX5 antigen has been recently characterized as CD49b. It is a 150 kD integrin α chain also known as α2 integrin, VLA-2 α chain, and integrin α2 chain. CD49b non-covalently associates with CD29 (β1 integrin) to form the CD49b/CD29 complex known as VLA-2, a receptor for collagen and laminin. CD49b is expressed on platelets, the majority of NK cells, NKT cells, and a small subset of CD8+ T cells (this population can be significantly increased following viral infection). DX5 is used for the identification and isolation of NK cells, and is especially useful for identifying NK cells in mice lacking the NK1.1 antigen.

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