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Elab Fluor® 700 Anti-Mouse CD49b/pan-NK cells Antibody[DX5]

Catalog Number: E-AB-F1116UM1

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

Description

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

Isotype Control Elab Fluor® 700 Rat IgM, κ Isotype Control[RTK2118] [Product E-AB-F09773M1]

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

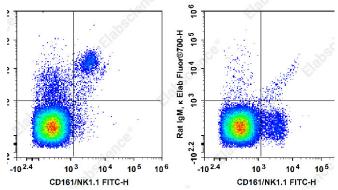
Applications

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/10⁶ cells in 100 µL volume].

Data



Staining of C57BL/6 murine splenocytes with FITC Anti-

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

Fluor[®] 700 Rat IgM, 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

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

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

Uniprot ID Q62469

For Research Use Only

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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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