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PE/Cyanine5 Anti-Mouse CD49b/pan-NK cells Antibody[DX5]

Catalog Number: E-AB-F1116UG

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 PE/Cyanine5 Rat IgM, κ Isotype Control[RTK2118] [Product E-AB-F09773G]

Conjugation PE/Cyanine 5

Conjugation Information PE/Cyanine5 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm

(e.g., a 690/50 nm bandpass filter).

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

Applications Recommended usage

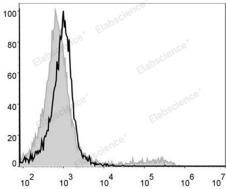
FCM Each lot of this antibody is quality control tested by flow cytometric analysis. Please

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/10⁶ cells

in 100 µL volume].

Data



C57BL/6 murine bone marrow cells are stained with PE/Cyanine5 Anti-Mouse CD49b Antibody (filled gray histogram). Unstained bone marrow cells (empty black histogram) are used as control.

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 lce 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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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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