

Manufacturer/Supplier:

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Product name: Anti-Mouse CD49b Monoclonal
Antibody(PerCP/Cyanine5.5 Conjugated)

Catalog: DL21437F

Synonyms: Integrin alpha-2, CD49 antigen-like family member
B, Collagen receptor, Platelet membrane glycoprotein
Ia, GPIa, VLA-2 subunit alpha, CD49b

Background: DX5 antigen has been recently characterized as CD49b. It is a 150 kD integrin α chain also known as $\alpha 2$ integrin, VLA-2 α chain, and integrin $\alpha 2$ chain. CD49b non-covalently associates with CD29 ($\beta 1$ 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.

Form: Liquid

Isotype: Rat IgM

Size: 25µg/100µg

Host: Rat

Reactivity: Mouse

Application: FCM

Concentration: 0.2 mg/mL

Conjugation: PerCP/Cyanine5.5

SwissProt: Q62469

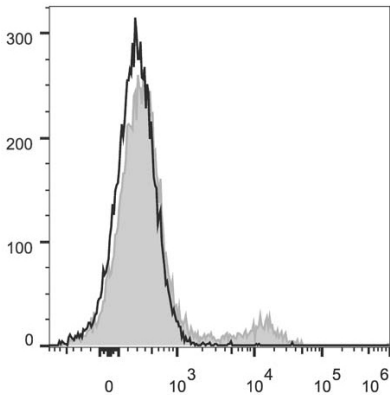
Buffer: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Recommended Use:

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 Anti-Mouse CD49b Monoclonal Antibody(PerCP/Cyanine5.5 Conjugated)[Used at 0.05 $\mu\text{g}/10^6$ cells dilution](filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.



Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.