

Manufacturer/Supplier:

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Product name: Purified Anti-Mouse CD49b Monoclonal Antibody

Catalog: DL21418F

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: 50 µg/100 µg

Host: Rat

Reactivity: Mouse

Application: FCM,IHC

Concentration: 0.5 mg/mL

Conjugation: Unconjugated

SwissProt: Q62469

Buffer: PBS with 0.05% Proclin300

Recommended Use:

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 2.0 µg per 10^6 cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Storage:



Keep as concentrated solution.

Store at 2~8°C. Do not freeze.

This product is guaranteed up to one year from purchase.