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

Catalog Number: E-AB-F1116B

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

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

Biotin Rat IgM, κ Isotype Control[RTK2118] [Product E-AB-F09773B] Isotype Control

Conjugation

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

Applications Recommended usage

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

> cytometric staining, the suggested use of this reagent is ≤ 1.0 µg per 10⁶ 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.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. 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 Gene ID 16398

Background 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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