

APC Anti-Mouse CD49b Antibody[DX5]

Catalog No.	E-AB-F1116E	Reactivity	Mouse
Storage	Store at 2~8°C, Avoid freeze / thaw cycles	Applications	FCM

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

Antigen Information

Alternate Names	Integrin alpha-2,CD49 antigen-like family member B,Collagen receptor,Platelet membrane glycoprotein Ia,GPIa,VLA-2 subunit alpha,CD49b
Uniprot ID	Q62469
Background	DX5 antigen has been recently characterized as CD49b. It is a 150 kD integrin α chain also known as α 2 integrin, VLA-2 α chain, and integrin α 2 chain. CD49b non-covalently associates with CD29 (β 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.

Product Details

Form	Liquid
Size	50Tests/100Tests/200Tests/500Tests
Clone No.	DX5
Host	Rat
Isotype	Rat IgM, κ
Reactivity	Mouse
Application	FCM
Isotype Control	APC Rat IgM, κ Isotype Control[RTK2118] [Product E-AB-F09772E]
Storage Buffer	PBS with 0.05% Proclin300, 1% BSA
Shipping	Biological ice pack at 4 °C
Stability & 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.

For Research Use Only

Thank you for your recent purchase.

If you would like to learn more about antibodies,please visit www.elabscience.com.

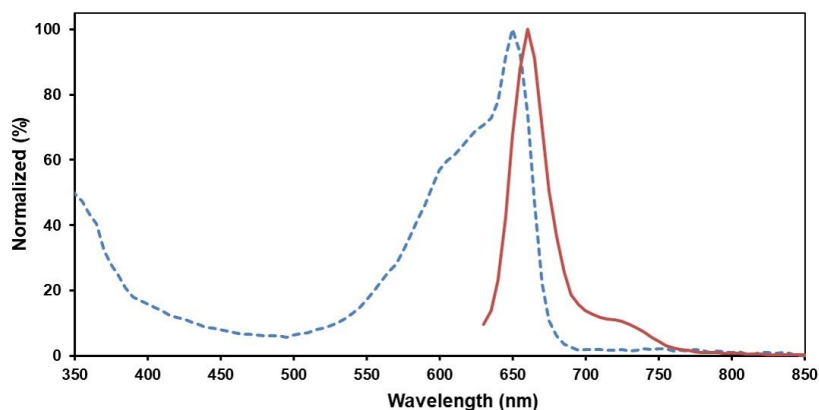
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Applications:Activ- Activation; Block- Blocking; Separation- Cell Separation ; Cell Sep-Neg- Cell Separation by Negative Selection; FA- Functional Assay; Neut- Neutralization; Stim- Stimulation; FCM- Flow Cytometry; ICFCM: Intracellular Staining for Flow Cytometry; WB- Western Blotting; IHC- Immunohistochemistry; IF- Immunofluorescence; IP- Immunoprecipitation

Fluorophore

Conjugation: APC

APC Excitation and Emission Spectra



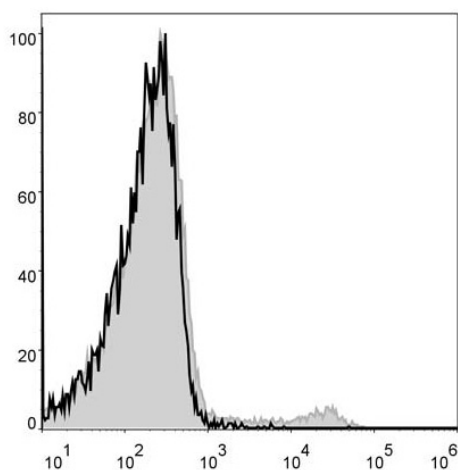
Ex:650 nm; Em:660 nm

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Recommended usage

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. The amount of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Product data



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

Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>

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