Elab Fluor® Violet 450 Anti-Mouse CD49b/pan-NK cells Antibody[DX5]

Catalog No.	E-AB-F1116Q	**Reactivity**	Mouse
Storage	Store at 2~8℃, 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
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.

Product Details

Form	Liquid
Size	50Tests/100Tests/100Tests×2
Clone No.	DX5
Host	Rat
Isotype	Rat IgM, κ
Reactivity	Mouse
Application	FCM
Isotype Control	Elab Fluor® Violet 450 Rat IgM, κ Isotype Control[RTK2118] [Product E-AB-F09772Q]
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
Shipping	Biological ice pack at 4 ℃
Stability & Storage	Keep as concentrated solution. Store at 2~8℃ and protected from prolonged exposure to light.Do not freeze. This product is guaranteed up to one year from purchase.

Fluorophore

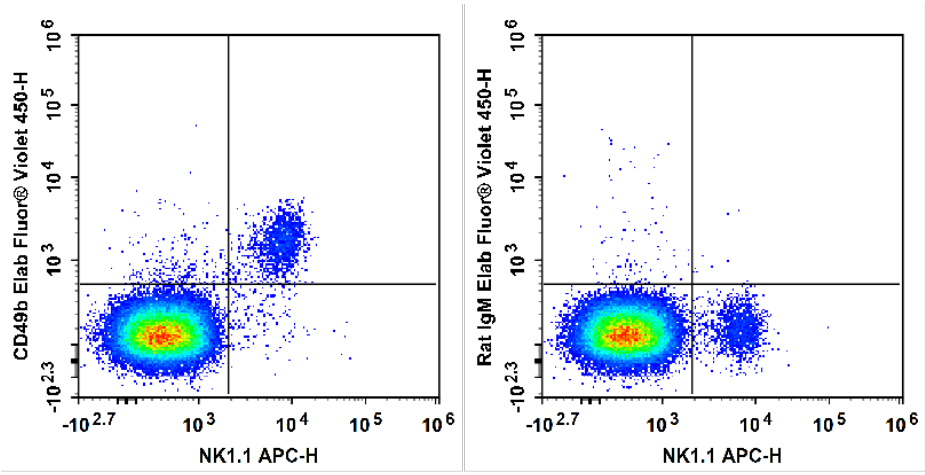
Conjugation: Elab Fluor® Violet 450

Elab Fluor® Violet 450 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter).

Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL 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 splenocytes are stained with APC Anti-Mouse NK1.1 Antibody and Elab Fluor® Violet 450 Anti-Mouse CD49b Antibody (Left). Splenocytes are stained with APC Anti-Mouse NK1.1 Antibody and Elab Fluor® Violet 450 Rat IgM,κ Isotype Control (Right).

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
4. How to select the appropriate detection channel through the spectrogram? https://www.elabscience.com/List-detail-459742.html