# **Elabscience**®

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

Catalog No.E-AB-F1116UFStorageStore at 2~8°C, Avoid freeze / thaw cycles

ReactivityMouseApplicationsFCM

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 $\alpha$ chain also
	known as $\alpha 2$ integrin, VLA-2 $\alpha$ chain, and integrin $\alpha 2$ chain. CD49b non-covalently associates
	with CD29 (\beta1 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
Concentration	0.2 mg/mL
Size	25µg/100µg
Clone No.	DX5
Host	Rat
Isotype	Rat IgM, κ
Reactivity	Mouse
Application	FCM
Isotype Control	[Product E-AB-F09773F]
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
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** 

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# Fluorophore

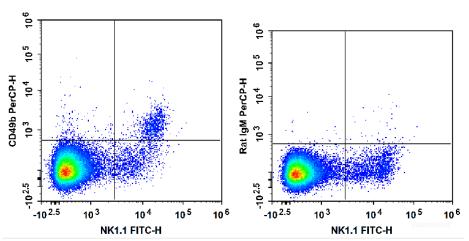
#### Conjugation: PerCP

PerCP is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter).

### **Recommended usage**

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  $0.1-1 \mu g/10^6$  cells in  $100 \mu L$  volume].

## **Product data**



C57BL/6 murine splenocytes are stained with FITC Anti-Mouse CD161/NK1.1 Antibody and PerCP Anti-Mouse CD49b Antibody (Left). Splenocytes are stained with FITC Anti-Mouse CD161/NK1.1 Antibody and PerCP 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 <u>https://www.elabscience.com/List-detail-5593.html</u>
- 4. How to select the appropriate detection channel through the spectrogram? <u>https://www.elabscience.com/List-detail-459742.html</u>