

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 488 Anti-Mouse/Rat CD29 Antibody[HMβ1-1]

Catalog Number: E-AB-F1309L

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

#### **Description**

Reactivity Mouse:Rat

Host Armenian Hamster Isotype Armenian Hamster IgG

Clone No. HM<sub>B</sub>1-1

[Product E-AB-F09852L] Isotype Control

Conjugation Elab Fluor®488

**Conjugation Information** Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using

an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter).

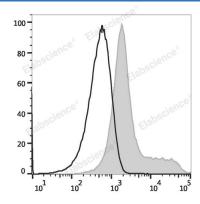
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

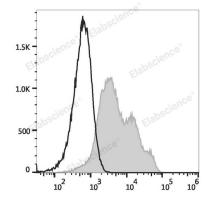
#### **Applications** Recommended usage

**FCM** 

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.

#### Data





C57BL/6 murine splenocytes are stained with Elab Fluor® 488 Anti-Mouse/Rat CD29 Antibody (filled gray histogram) or Mouse/Rat CD29 Antibody (filled gray histogram) or Elab

Rat splenocytes are stained with Elab Fluor® 488 Anti-

Elab Fluor® 488 Armenian Hamster IgG Isotype Control (empty black histogram).

Fluor® 488 Armenian Hamster IgG Isotype Control (empty black histogram).

#### **Preparation & Storage**

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

**Shipping** Ice bag

#### **Antigen Information**

**Alternate Names** GPIIaITGB1VLA-β chainβ1 integrin;integrin β1

**Uniprot ID** P09055; P49134 Gene ID 16412;24511

### For Research Use Only

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#### **Elabscience Bionovation Inc.**

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## **Background**

Elabscience®

CD29 is a 130 kD protein, also known as integrin β1, VLA-β chain, or GPIIa. It is a member of the integrin family, expressed broadly on leukocytes, endothelial cells, smooth muscle, and epithelial cells. In association with CD49a-f, CD29 forms the VLA-1 through VLA-6 complexes, respectively. It plays an important role in cell-cell or cell-matrix interaction. The HMß1-1 antibody reacts with both mouse and rat CD29. It is able to block cell adhesion and inhibit T cell proliferation.

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