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.*

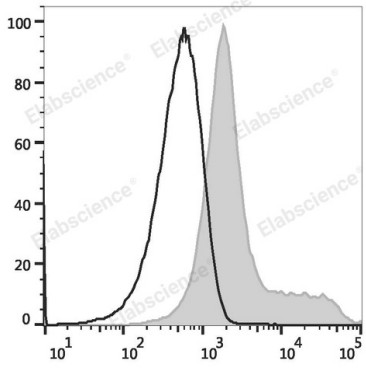
Description

Reactivity	Mouse;Rat
Host	Armenian Hamster
Isotype	Armenian Hamster IgG
Clone No.	HMβ1-1
Isotype Control	Elab Fluor® 488 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852L]
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).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

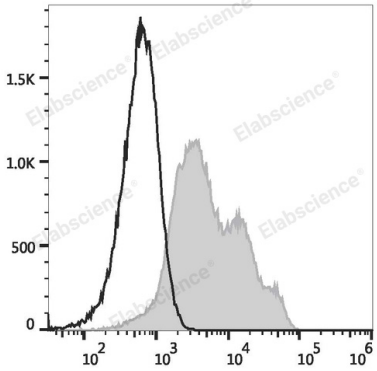
Applications — Recommended usage

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



Rat splenocytes are stained with Elab Fluor® 488 Anti-Mouse/Rat CD29 Antibody (filled gray histogram) or Elab 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 24 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

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Background

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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