PE/Elab Fluor®594 Anti-Mouse/Rat CD29 Antibody[HMβ1-1]

Catalog Number: E-AB-F1309P

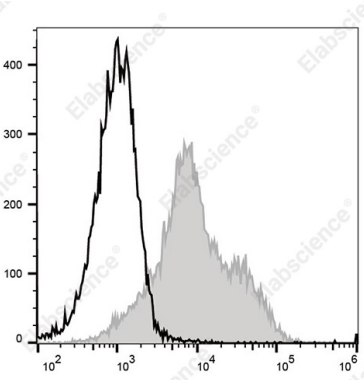
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Mouse;Rat
Host	Armenian Hamster
Isotype	Armenian Hamster IgG
Clone No.	HMβ1-1
Isotype Control	PE/Elab Fluor® 594 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852P]
Conjugation	PE/Elab Fluor®594
Conjugation Information	PE/Elab Fluor® 594 is designed to be excited by the blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 620 nm (e.g., a 610/20 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 PE/Elab Fluor® 594 Anti-Mouse/Rat CD29 Antibody (filled gray histogram) or PE/Elab Fluor® 594 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	integrin β1;VLA-β chain;β1 integrin;GPIIa;ITGB1
Uniprot ID	P09055;P49134

For Research Use Only

Gene ID	16412;24511
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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