

PE/Cyanine 5.5 Anti-Mouse/Rat CD29 Antibody[HMβ1-1]

Catalog Number: E-AB-F1309I

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

Description

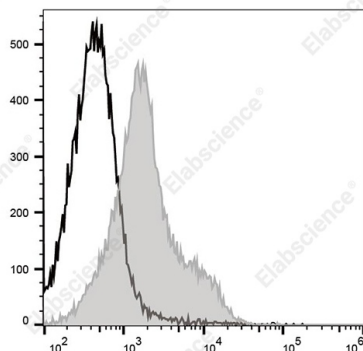
Reactivity	Mouse;Rat
Host	Armenian Hamster
Isotype	Armenian Hamster IgG
Clone No.	HMβ1-1
Isotype Control	PE/Cyanine5.5 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852I]
Conjugation	PE/Cyanine 5.5
Conjugation Information	PE/Cyanine 5.5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 690 nm (e.g., a 690/50 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.
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Data



C57BL/6 murine splenocytes are stained with PE/Cyanine 5.5 Anti-Mouse/Rat CD29 Antibody (filled gray histogram) or PE/Cyanine 5.5 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;GP11a;ITGB1
Uniprot ID	P09055;P49134
Gene ID	16412;24511

For Research Use Only

Background

CD29 is a 130 kD protein, also known as integrin $\beta 1$, 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 HM β 1-1 antibody reacts with both mouse and rat CD29. It is able to block cell adhesion and inhibit T cell proliferation.