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.*

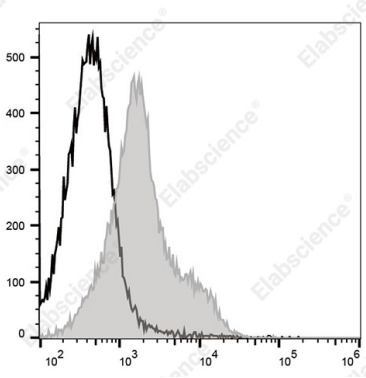
Description

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.

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 12 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
Gene ID	16412; 24511

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web:www.elabscience.com
Email:techsupport@elabscience.com

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.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web:www.elabscience.com
Email:techsupport@elabscience.com