

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

Catalog Number: E-AB-F1309J

**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	PerCP/Cyanine5.5 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852J]
Conjugation	PerCP/Cyanine 5.5
Conjugation Information	PerCP/Cyanine 5.5 is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

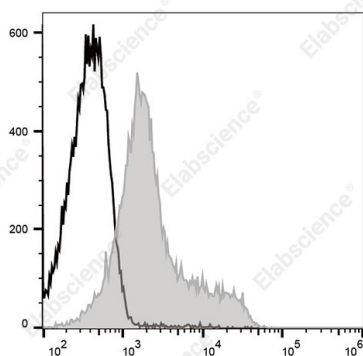
### Applications

### 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 PerCP/Cyanine 5.5 Anti-Mouse/Rat CD29 Antibody (filled gray histogram) or PerCP/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;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- $\beta$  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 $\beta$ 1-1 antibody reacts with both mouse and rat CD29. It is able to block cell adhesion and inhibit T cell proliferation.