

A Reliable Research Partner in Life Science and Medicine

# APC Anti-Mouse/Rat CD29 Antibody[HMβ1-1]

Catalog Number: E-AB-F1309E

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

#### **Description**

Reactivity Mouse;Rat

Host Armenian Hamster Isotype Armenian Hamster IgG

Clone No. HM\beta1-1

Isotype Control APC Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852E]

Conjugation APC

**Conjugation Information** APC is designed to be excited by the Red (627-640 nm) laser and detected using an

optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

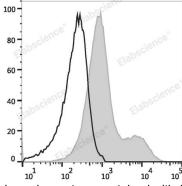
#### Applications Recommended usage

**FCM** Each lot of this antibody is quality control tested by flow cytometric analysis. The amount

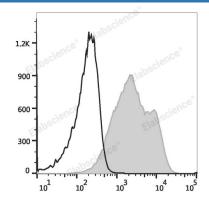
of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

#### Data



C57BL/6 murine splenocytes are stained with APC Anti-Mouse/Rat CD29 Antibody (filled gray histogram) or APC Armenian Hamster IgG Isotype Control (empty black histogram).



Rat splenocytes are stained with APC Anti-Mouse/Rat CD29 Antibody (filled gray histogram) or APC 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 GPIIaITGB1VLA-β chainβ1 integrin;integrin β1

 Uniprot ID
 P09055;P49134

 Gene ID
 16412;24511

## For Research Use Only

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#### **Elabscience Bionovation Inc.**

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# **Background**

Elabscience®

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 cellmatrix 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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