

A Reliable Research Partner in Life Science and Medicine

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

Catalog Number: E-AB-F1309D

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

PE Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852D] **Isotype Control** 

Conjugation

**Conjugation Information** PE 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 575 nm (e.g., a 585/42

nm bandpass filter).

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

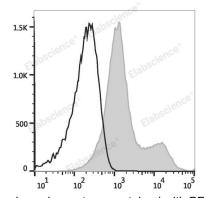
#### **Applications** Recommended usage

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

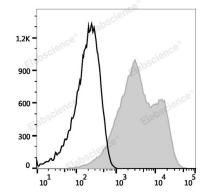
of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

#### **Data**



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



Rat splenocytes are stained with PE Anti-Mouse/Rat CD29 Antibody (filled gray histogram) or PE 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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