

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

|                    |  |                     |           |
|--------------------|--|---------------------|-----------|
| <b>Catalog No.</b> | E-AB-F1309E                                | <b>Reactivity</b>   | Mouse,Rat |
| <b>Storage</b>     | Store at 2~8°C, Avoid freeze / thaw cycles | <b>Applications</b> | FCM       |

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

### Antigen Information

|                        |   |
|------------------------|---|
| <b>Alternate Names</b> | integrin β1, VLA-β chain, β1 integrin, GPIIa, ITGB1   |
| <b>Uniprot ID</b>      | P09055, P49134  |
| <b>Gene ID</b>         | 16412, 24511  |
| <b>Background</b>      | 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 HMβ1-1 antibody reacts with both mouse and rat CD29. It is able to block cell adhesion and inhibit T cell proliferation. |

### Product Details

|                                |  |
|--------------------------------|--|
| <b>Form</b>                    | Liquid   |
| <b>Size</b>                    | 50Tests/100Tests/100Tests×2  |
| <b>Clone No.</b>               | HMβ1-1   |
| <b>Host</b>                    | Armenian Hamster   |
| <b>Isotype</b>                 | Armenian Hamster IgG   |
| <b>Reactivity</b>              | Mouse,Rat  |
| <b>Application</b>             | FCM  |
| <b>Isotype Control</b>         | <a href="#">APC Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852E]</a>   |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.  |
| <b>Shipping</b>                | Biological ice pack at 4 °C  |
| <b>Stability &amp; Storage</b> | Keep as concentrated solution.<br>Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.<br>This product is guaranteed up to one year from purchase. |

### For Research Use Only

## Fluorophore

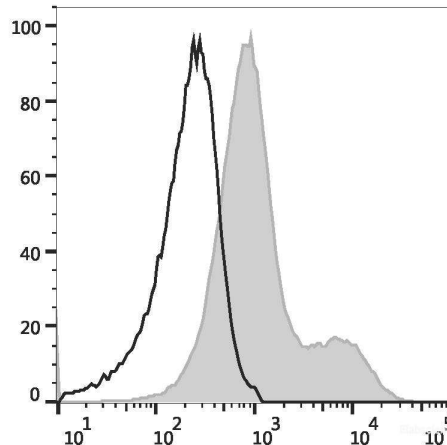
**Conjugation:** APC

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).

## Recommended usage

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.

## Product 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).

## Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>

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