# PerCP/Cyanine5.5 Anti-Human CD29 Antibody[TS2/16.2.1]

**Catalog Number:** E-AB-F1049J

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

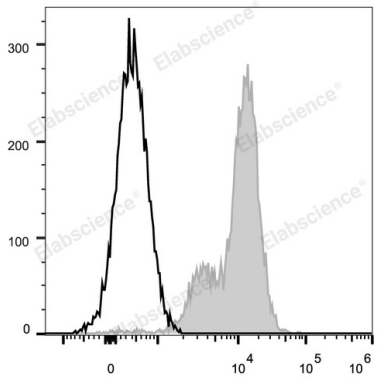
## Description

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| **Reactivity** | Human |
| **Host** | Mouse |
| **Isotype** | Mouse IgG1, κ |
| **Clone No.** | TS2/16.2.1 |
| **Isotype Control** | PerCP/Cyanine5.5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792J] |
| **Conjugation** | PerCP/Cyanine 5.5 |
| **Conjugation Information** | PerCP/Cyanine5.5 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

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| **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




Human peripheral blood lymphocytes are stained with PerCP/Cyanine5.5 Anti-Human CD29 Antibody (filled gray histogram). Unstained lymphocytes (empty black histogram) are used as control.

## Preparation & Storage

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| **Storage** | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| **Shipping** | Ice bag |

## Antigen Information

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| **Alternate Names** | CD29;Fibronectin receptor subunit beta;ITB1;Integrin beta-1;Itgb1;VLA-4 subunit beta |
| **Uniprot ID** | P05556 |
| **Gene ID** | 3688 |


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**Background**

CD29 is a 130 kD single chain type I glycoprotein also known as integrin β1, VLA-β chain, or gpIIa. It is broadly expressed on a majority of hematopoietic and non-hematopoietic cells, including leukocytes (although at low level on granulocytes), platelets, fibroblasts, endothelial cells, epithelial cells, and mast cells. CD29 is a member of the integrin family. It is non-covalently associated with integrin α1-α6 chains to form VLA-1 to VLA-6 molecules, respectively. Integrins, which include CD29, bind to several cell surface (e.g. VCAM-1, MadCAM-1) and extracellular matrix molecules. CD29 acts as a fibronectin receptor and is involved in a variety of cell-cell and cell-matrix interactions.


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