

## Biotin Anti-Human CD29 Antibody[TS2/16.2.1]

|                    |  |                     |       |
|--------------------|--|---------------------|-------|
| <b>Catalog No.</b> | E-AB-F1049B                                | <b>Reactivity</b>   | Human |
| <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 beta-1,ITB1,Itgb1,Fibronectin receptor subunit beta,VLA-4 subunit beta,CD29  |
| <b>Uniprot ID</b>      | P05556  |
| <b>Background</b>      | CD29 is a 130 kD single chain type I glycoprotein also known as integrin $\beta$ 1, VLA- $\beta$ 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 $\alpha$ 1- $\alpha$ 6 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. |

### Product Details

|                                |  |
|--------------------------------|--|
| <b>Form</b>                    | Liquid   |
| <b>Concentration</b>           | 0.5 mg/mL  |
| <b>Size</b>                    | 25 $\mu$ g/100 $\mu$ g   |
| <b>Clone No.</b>               | TS2/16.2.1   |
| <b>Host</b>                    | Mouse  |
| <b>Isotype</b>                 | Mouse IgG1, $\kappa$   |
| <b>Reactivity</b>              | Human  |
| <b>Application</b>             | FCM  |
| <b>Isotype Control</b>         | <a href="#">Biotin Mouse IgG1, <math>\kappa</math> Isotype Control[MOPC-21] [Product E-AB-F09793B]</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 .Do not freeze.<br>This product is guaranteed up to one year from purchase. |

#### For Research Use Only

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Applications: Activ- Activation; Block- Blocking; Separation- Cell Separation ; Cell Sep-Neg- Cell Separation by Negative Selection; FA- Functional Assay; Neut- Neutralization; Stim- Stimulation; FCM- Flow Cytometry; ICFM: Intracellular Staining for Flow Cytometry; WB- Western Blotting; IHC- Immunohistochemistry; IF- Immunofluorescence; IP- Immunoprecipitation

## Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 1.0 \mu\text{g}$  per  $10^6$  cells in  $100 \mu\text{L}$  volume or  $100 \mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

## 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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