

Biotin Anti-Human CD29 Antibody[TS2/16.2.1]

Catalog No.	E-AB-F1049B	Reactivity	Human
Storage	Store at 2~8°C, Avoid freeze / thaw cycles	Applications	FCM

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

Antigen Information

Alternate Names	Integrin beta-1,ITB1,Itgb1,Fibronectin receptor subunit beta,VLA-4 subunit beta,CD29
Uniprot ID	P05556
Background	CD29 is a 130 kD single chain type I glycoprotein also known as integrin β 1, 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 α 1- α 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

Form	Liquid
Concentration	0.5 mg/mL
Size	25 μ g/100 μ g
Clone No.	TS2/16.2.1
Host	Mouse
Isotype	Mouse IgG1, κ
Reactivity	Human
Application	FCM
Isotype Control	Biotin Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793B]
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
Shipping	Biological ice pack at 4 °C
Stability & Storage	Keep as concentrated solution. Store at 2~8°C .Do not freeze. This product is guaranteed up to one year from purchase.

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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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