Product Datasheet

Purified Anti-Human CD29 Antibody [TS2/16.2.1]

Catalogue Code: AGEL0212

Antibody Data

Product SKU:	**AGEL0212**	**Clone:**	**TS2/16.2.1**
Applications:	**FCM**		
Reactivity:	**Human**		

Important Note:

Centrifuge before opening to ensure complete recovery of vial contents.

Product 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 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.

Form: Liquid

Conjugation: Unconjugated

Size: 25µg, 100µg

Host Species: Mouse

Isotype: Mouse IgG1, κ

Isotype Control: Purified Mouse IgG1, κ Isotype Control[MOPC-21] [Product AGEL0212]

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

Shipping: Biological ice pack at 4℃

Stability & Storage:	Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.
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 ≤ 0.5 µg per 106 cells in 100 µL volume or 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.