

Antibody Data

Product SKU:	AGEL0213	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 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.
Form:	Liquid
Conjugation:	Biotin
Size:	25 μ g, 100 μ g
Host Species:	Mouse
Isotype:	Mouse IgG1, κ
Isotype Control:	Biotin Mouse IgG1, κ Isotype Control[MOPC-21] [Product AGEL0213]
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 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 $\leq 1.0 \mu\text{g}$ per 10^6 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.