



A Reliable Research Partner in Life Science and Medicine

Biotin Anti-Human CD29 Antibody[TS2/16.2.1]

Catalog Number: E-AB-F1049B

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

Description

Reactivity Human Host Mouse

Isotype Mouse IgG1, κ **Clone No.** TS2/16.2.1

Isotype Control Biotin Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793B]

Conjugation Biotin

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

Applications Recommended usage

FCM 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 μ g per 10⁶ cells in 100 μ L volume or 100 μ L of whole blood. It is recommended that the reagent be titrated for

optimal performance for each application.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names CD29;Fibronectin receptor subunit beta;ITB1;Integrin beta-1;Itgb1;VLA-4 subunit beta

 Uniprot ID
 P05556

 Gene ID
 3688

Background CD29 is a 130 kD single chain type I glycoprotein also known as integrin β1, VLA-β

chain, or gplla. 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.