Data Sheet (Cat.No.TMAY-03601F)

Anti-ITGB1 Antibody-FITC (2M942)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	FITC
Clone:	2M942

Applications

Verified Activity:	Flow cytometric analysis of Human CD29 expression on human whole blood lymphocytes. Cells were stained with FITC-conjugated anti-Human CD29. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable lymphocytes.
Application:	FCM
Recommended	5 μl/Test, 0.1 mg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	0
Antigen Species:	Human
Synonyms:	MSK12;FNRB;VLAB;integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12);VLA-β;integrin, β1 (fibronectin receptor, βpolypeptide, antigen CD29 includes MDF2, MSK12);MDF2;Integrin β1;CD29;VLA-BETA;GPIIA
Biology Area:	Cardiac Stem Cell Markers

Research Background

ITGB1 (Integrin Subunit Beta 1) is a Protein Coding gene. This gene encodes a beta subunit, which is a type 1 transmembrane protein of the integrin beta chain family. ITGB1 is a heterodimeric cell-surface receptor involved in cell functions such as proliferation, migration, invasion, and survival. ITGB1 has been recognized to play a major role in tumor growth, invasion, and metastasis. Using luciferase assays, the researcher identified ITGB1 as a direct target of miR-134. ITGB1 is a direct target of miR-493-5p suggesting that ITGB1 and miR-493-5p may have potential prognostic value and may be useful as tumor biomarkers for the diagnosis of NSCLC patients. Diseases associated with ITGB1 include Gallbladder Cancer and Breast Cancer.

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