

## Anti-ITGB1 Antibody (2Z549)

## Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2Z549
Purification:	Protein A

## Applications

Verified Activity:	Flow cytometric analysis of Human ITGB1(CD29) expression on human whole blood lymphocytes. Cells were stained with purified anti-Human ITGB1(CD29), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable lymphocytes.
Application:	FCM
Recommended	FCM: 1:25-1:100

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human ITGB1 / Integrin beta-1 / CD29 Protein (TMPY-00476)
Antigen Species:	Human
Synonyms:	FNRB;Integrin $\beta$ 1;integrin, $\beta$ 1 (fibronectin receptor, $\beta$ polypeptide, antigen CD29 includes MDF2, MSK12);VLAB;integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12);MDF2;VLA- $\beta$ ;CD29;MSK12;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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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