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ITGB1
Mouse Anti-Human CD29 (Clone MEM-101A) mAb

Catalog No.	MON1075	**Quantity:**	100 µg

Alternate Names: Integrin beta-1, Fibronectin receptor subunit beta, Glycoprotein IIa, GPIIA, VLA-4 subunit beta, CD29

Description: MON1075 reacts with CD29 (integrin beta1 chain), a 130 kDa single chain type I glycoprotein expressed as a heterodimer (non-covalently associated with the integrin alpha subunits 1-6). CD29 (beta1 integrin subunit, GPIIa) forms non-covalently linked heterodimers with at least 6 different alpha chains (alpha1- alpha6, CD49a-f) determining the binding properties of beta1 (VLA) integrins. These integrins mediate cell adhesion to collagen, fibronectin, laminin and other extracellular matrix (ECM) components. This interaction hinders cell death, whereas disruption of anchorage to ECM leads to apoptosis. Decreased expression of most beta1 integrins correlates with acquiring multidrug resistance of tumor cells during selection in presence of antitumor drug. In platelets, translocation of intracellular pool of beta1 integrins to the plasma membrane following thrombin stimulation.

Concentration: 1 mg/ml

UniProt ID: P05556

Specificity: Human CD29

Host: Mouse

Immunogen: Raji Burkitt's lymphoma cell line

Isotype: IgG1

Clone: MEM-101A

Formulation: PBS, pH 7.4 containing 15 mM sodium azide

Cross-Reactivity: Pig, Dog

Applications: **Flow cytometry:** suggested concentration 4 µg/ml
IP

Storage & Stability: Store undiluted antibody at 2-8°C until expiry date.

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