ITGA2B
Mouse Anti-Human CD41a Clone VM16a mAb

Catalog No.	MON1144	**Quantity:**	1 ml

Alternate Names: Platelet Glycoprotein IIb/IIIa complex

Description: Mouse Anti-Human CD41a Clone VM16a monoclonal antibody recognizes the intact platelet GPIIb/IIIa complex ($alpha_{IIb}/beta_3$). It does not bind to dissociated GPIIb or GPIIIa. The antibody reacts with human platelets and megakaryocytes. The apparent molecular weight of GPIIIa, GPIIb alpha chain, and GPIIb beta chain under reducing conditions are as follows: GPIIIa: 110 kDa, GPIIb alpha chain: 125 kDa, GPIIb beta chain: 25 kDa. The antibody does not bind to platelets from patients with Glanzmann thrombasthenia and does not recognize the vitronectin receptor, which contains GPIIIa as a beta subunit. VM16a inhibits platelet Fc-receptor dependent reactions due to the proposed topographical association of the platelet Fc-receptor and the glycoprotein IIb-IIIa complex.

Concentration: Approx. 0.2 mg/ml

Gene ID: 3674

Specificity: Human CD41a, (Recognizes the intact platelet GPIIb/IIIa complex ($alpha_{IIb}/beta_3$))

Host: Mouse

Isotype: IgG1κ

Clone: VM16a

Formulation: 1 ml lyophilized purified IgG solution in PBS

Purification: Ammonium sulfate + DEAE-cellulose, gradient elution

Reconstitution: **Centrifuge vial prior to opening.** Add 1 ml sterile distilled water to the vial to fully solubilize the antibody to a concentration of 0.2 mg/ml. Sufficient for 100 tests.

Applications: Marker for megakaryoblasts and megakaryoblastic leukemias. Functional studies. Indirect Immunofluorescence staining with analysis by cytofluorometry or fluorescence microscopy. Flow Cytometry. The optimal concentration should be determined by the user for each specific application.

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

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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