

AM32331PU-N Monoclonal Antibody to CD41 / ITGA2B - Purified**Alternate names:** GP2B, GPalpha IIb, ITGAB, Integrin alpha-IIb, Platelet membrane glycoprotein IIb**Quantity:** 1 ml**Host / Isotype:** Mouse / IgG1**Recommended Isotype Controls:** SM10P (for use in human samples), AM03095PU-N**Clone:** VM16a**Format:** **State:** Lyophilized purified Ig fraction
Purification: Ammonium sulfate + DEAE-cellulose, gradient elution
Buffer System: PBS
Preservatives: 0,09% sodium azide
Reconstitution: Reconstitute with 1 ml sterile water.**Applications:** **Flow Cytometry.**
Functional Assay.
Immunofluorescence.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.**Specificity:** This antibody recognizes the intact platelet GPIIb/IIIa complex (alphaIIb/beta3), i.e. it does not bind to dissociated GPIIb or GPIIIa. The antibody reacts with human platelets and megakaryocytes. Apparent molecular weight under reducing conditions: GPIIIa; 110 kD; GPIIb alpha chain; 125 kD, beta chain; 25 kD. 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 (cf. CD61). VM16a inhibits platelet Fc-receptor dependent reactions due to the proposed topographical association of the platelet Fc-receptor and the glycoprotein IIb-IIIa complex.**Species Reactivity:** **Tested:** Human.**Storage:** Store the antibody undiluted at 2-8°C.
Shelf life: one year from despatch.**General Readings:** 1. Vinogradov, D., et al., 1991, Biokhimiya (Biochemistry) 56, 787-797 (in Russian, English translation).
2. Berndt, P., et al., 1993, Platelets 4, 190-196.