

AM32633PU-N**Monoclonal Antibody to CD41-CD61 Complex - Aff - Purified**

Alternate names:	CD41, CD61, GP2B, GP3A, GPIIb, GPIIb-IIIa, GPalpha IIb, ITGA2B, ITGAB, ITGB3, Integrin alpha-IIb, Integrin beta-3, Platelet membrane glycoprotein IIb
Quantity:	0.5 mg
Background:	The integrins are a family of more than 23 heterodimeric transmembrane proteins that mediate cell-cell adhesions as well as cell-substratum adhesions and signal transduction processes. Integrins are heterodimers consisting of noncovalently associated alpha and beta subunits. CD61 non-covalently associates with CD41 (alpha IIb integrin) and is expressed by megakaryocytes and platelets. The CD61/CD41 complex acts as a receptor for such adhesive ligands as fibronectin, fibrinogen and von Willebrand factor during platelet stimulation.
Host / Isotype:	Mouse / IgG1
Clone:	Y8
Immunogen:	10e9 Human platelets suspension. The supernatant fluid from positive clones was screened by ELISA coated with washed platelets.
Format:	State: Lyophilized purified IgG fraction Purification: Affinity Chromatography on Protein G Buffer System: 0.01M PBS, pH 7.2 without preservatives Reconstitution: Restore with Double distilled water to adjust the final concentration to 1.0 mg/ml.
Applications:	This GPIIb/IIIa antibody is Suitable for use in ELISA and Western Blot . Use of this MAb at a concentration of 10-20 µg/ml (culture supernatants) will allow visualization of NP 40 solubilized human normal platelets. Under reducing conditions they will bind against the human platelet membrane glycoproteins IIb/IIIa complex, which have a molecular weights of ~130,000 (IIb) and 115,000 (IIIa). The titer of purified ascites was determined by ELISA coated with 100 µl of 1x10 ⁸ washed platelets. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Human platelet membrane glycoproteins IIb/IIIa (GP IIb/IIIa).
Species Reactivity:	Tested: Human.
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.