

Product datasheet for **AM09275PU-N**

CD41-CD61 Complex Mouse Monoclonal Antibody [Clone ID: 237]

Product data:

Product Type:	Primary Antibodies
Clone Name:	237
Applications:	ELISA, WB
Recommended Dilution:	This GPIIb/IIIa antibody is Suitable for use in ELISA and Western Blot . Use of this Monoclonal antibody at a concentration of 10-20 µg/ml (culture supernatants) will allow visualization of NP 40 solubilized human normal platelets. The titer of purified ascites was determined by ELISA coated with 100 µl of 1x10 ⁸ washed platelets.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	10e9 Human platelets suspension. The supernatant fluid from positive clones was screened by ELISA coated with washed platelets.
Specificity:	Human platelet membrane glycoproteins IIb/IIIa (GP IIb/IIIa). Under reducing conditions, this antibody will bind against the Human platelet membrane glycoproteins IIb/IIIa complex, which have a molecular weights of ~130,000 (IIb) and 115,000 (IIIa).
Formulation:	0.01M PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore with Double distilled water to adjust the final concentration to 1.0 mg/ml.
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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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.
Synonyms:	GPIIb-IIIa, ITGA2B, GP2B, ITGAB, Platelet membrane glycoprotein IIb, GPalpha IIb, GPIIb, GP3A, CD41, CD61, Integrin alpha-IIb, Integrin beta-3, ITGB3