

Product datasheet for **BM2543**

CD41-CD61 Complex Mouse Monoclonal Antibody [Clone ID: P2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	P2
Applications:	ELISA, FC, FN, IHC, IP
Recommended Dilution:	ELISA. Immunoprecipitation. Functional Assays. Fluorescence Microscopy or Flow Cytometry: 2 µg / 5x10 ⁶ platelets/test. Immunohistochemistry (Only suitable on Frozen Sections or Cell Smears): 1/50-1/100. Not recommended for use in Western blot.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human platelets
Specificity:	Reacts with gpIIb in the intact complex with gpIIIa, but not with IIb or IIIa, separately. Inhibits platelet aggregation induced by thrombin, collagen and ADP. The Molecular weight of the recognized antigen is 135kDa/95kDa.
Formulation:	PBS buffer State: Azide Free State: Lyophilized purified Ig fraction Stabilizer: 1 mg/ml BSA Preservative: None
Reconstitution Method:	Restore with 1 ml distilled water.
Concentration:	N/A
Conjugation:	Unconjugated



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Storage:	<p>Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. The addition of 0.09% (w/v) Sodium Azide is recommended for storage of the reconstituted form for up to one month at 2-8°C. Avoid repeated freezing and thawing.</p>
Stability:	<p>Shelf life: one year from despatch.</p>
Background:	<p>Integrin alpha 2b (CD41) is a calcium-dependent, noncovalently associated heterodimer and contains a heavy chain (GPIIb alpha) and a light chain (GPIIb beta) linked by a single disulfide bond. The Integrin alpha 2B chain interacts with the Integrin beta 3 subunit/CD61 to form the platelet glycoprotein complex, gpIIb/IIIa. It is expressed on platelets and megakaryocytes. Ligands for the gpIIb/IIIa heterodimer include fibrinogen, von Willebrand factor, fibronectin, vitronectin, and thrombospondin. The gpIIb/IIIa complex is the major Integrin on platelets and is important for platelet adhesion and aggregation.</p>
Synonyms:	<p>GPIIb-IIIa, ITGA2B, GP2B, ITGAB, Platelet membrane glycoprotein IIb, GPalpha IIb, GPIIb, GP3A, CD41, CD61, Integrin alpha-IIb, Integrin beta-3, ITGB3</p>