

## Monoclonal Antibody to CD41 gpIIb IIIa - FITC

<b>Alternate names:</b>	GP1Ib-IIIa, ITGA2B, GP2B, ITGAB, Platelet membrane glycoprotein IIb, GPalpha IIb, GPIIb, GP3A, CD41, CD61, Integrin alpha-IIb, Integrin beta-3, ITGB3
<b>Catalog No.:</b>	BM2543F
<b>Quantity:</b>	100 Tests
<b>Background:</b>	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.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	P2
<b>Immunogen:</b>	Human platelets. Hybridization of Sp2/0-Ag14 myeloma cells with spleen cells from Balb/c mice.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Purification:</b> Ion Exchange or Affinity Chromatography. <b>Buffer System:</b> PBS, pH 7.2 containing 2 mg/ml BSA as stabilizer and 0.09% Sodium Azide as preservative. <b>Label:</b> Fluorescein (FITC).
<b>Applications:</b>	<b>Flow Cytometry:</b> 20 µl/5 x 10 <sup>5</sup> platelets/test. A wash is required to yield optimal results. Bring reagent to 20-25°C prior to use. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts to CD41. The molecular weight of the recognized antigen is 135-95kDa. Reacts with gpIIb in the intact complex with gpIIIa, but not with gpIIb or gpIIIa, separately. Inhibits platelet aggregation induced by thrombin, collagen and ADP.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
<b>General References:</b>	1. Blanchard, D. et al., (1995), Cell expression and biochemical characterization of platelet antigens recognized by workshop platelet panel MAb, Leucocyte Typing V, White Cell Differentiation Antigens. Schlossman, S.F., et al., Eds., Oxford University Press, 1225-1229. 2. Phillips, D.R., et al., (1988), The platelet membrane gpIIb/IIIa complex, Blood, 4, 71,

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Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)

831-843.

3. Silverstein, R.L. (1995), Platelet antigens: Section report, Leucocyte Typing V, White Cell Differentiation Antigens. Schlossman, S. F., et al., Eds., Oxford University Press, 1195-1204.

**Recommended  
Isotype Controls:**

SM10F (for use in human samples)

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