

## Monoclonal Antibody to CD41, Platelet gpIIb/IIIa - FITC

- Alternate names:** CD41, CD61, GP2B, GP3A, GPIIb, GPIIb-IIIa, GPalpha IIb, ITGA2B, ITGAB, ITGB3, Integrin alpha-IIb, Integrin beta-3, Platelet membrane glycoprotein IIb
- Catalog No.:** BM2608F
- Quantity:** 0.2 mg
- Concentration:** 0.1 mg/ml (OD280nm)
- Background:** 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.
- Host / Isotype:** Mouse / IgG1
- Clone:** M148
- Format:** **State:** Liquid purified IgG  
**Buffer System:** 0.01M PBS, pH 7.2 containing 150mM Sodium chloride and 1.0% BSA and 0.09% Sodium azide  
**Label:** FITC  
*Absorption / Emission:* 492nm/518nm
- Applications:** Flow Cytometry: 1µg to stain 1.0 x 10<sup>6</sup> cells.  
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
- Specificity:** This antibody recognizes an epitope on the gpIIb/IIIa complex on the surface membrane of human platelets. The antibody precipitates two bands under non-reducing conditions (Mr 110 kDa and 130 kDa).
- Storage:** Store the antibody undiluted at 2-8°C.  
DO NOT FREEZE!  
This product is photosensitive and should protected from light.  
Shelf life: one year from despatch.
- General References:** Jones, D. et al (1984) Brit. J. Haem. 57:621.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

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