



Peninsula Laboratories, LLC

A Member of the Bachem Group

305 Old County Road, San Carlos, CA 94070

Tel: (800) 922-1516 • (650) 592-5392

Fax: (650) 595-4071

www.bachem.com

Monoclonal Antibody To Human CD41 Platelet Marker

Monoclonal antibody 96.2C1 recognizes the CD41 antigen of the CD41/61 complex expressed on platelets and megakaryocytes. The CD41/CD61 complex, also known as platelet glycoprotein (GP) IIb/IIIa, or integrin $\alpha_{IIb}\beta_3$, mediates platelet aggregation by serving as the receptor for fibrinogen and von Willebrand factor.

Product Number:	T-1366
Clone:	96.2C1
Host species, isotype:	Mouse IgG1/kappa
Quantity:	200 μ g
Format:	Affinity purified, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA), and 0.09% sodium azide as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested for immunohistochemistry (IHC); has been described to work in FACS. Approximate working dilution for IHC: Frozen sections: 1 μ g/ml (1:400) Paraffin sections: not tested Optimal dilutions should be determined by the end user. Suggested positive control: Human placenta
Immunogen:	n.a.
Antigen, epitope:	The antigen is CD41, a 140kD glycoprotein. The epitope has not been further characterized.



Peninsula Laboratories, LLC

A Member of the Bachem Group

305 Old County Road, San Carlos, CA 94070

Tel: (800) 922-1516 • (650) 592-5392

Fax: (650) 595-4071

www.bachem.com

Antigen distribution:

Isolated cells: The antibody stains >90% of human peripheral blood platelets in flow cytometry.

Tissue sections: platelets

Specificity:

Human: CD41 of the CD41/61 complex

Other: not tested.

Selected references

Barclay, Brown et al., The Leukocyte Antigen FactsBook, 2nd edition, Harcourt Brace & Company, London, (1997)

McMichael, A.J. et al. (eds.), Leukocyte typing III., Oxford University Press, Oxford, (1987)

For *in vitro* research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.