
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

Lot: 01PO0801

TECHNICAL AND ANALYTICAL CHARACTERISTICS:

Host species, subclass: Mouse IgG1 kappa

Quantity: 200µg

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: 1µg/ml (1:400)

Paraffin sections: not tested

Optimal dilutions should be determined by the end user.

Suggested positive control: Human placenta

Please see www.bma.ch for protocols and general information.

Immunogen: n.a.

Antigen, epitope: The antigen is CD41, a 140kD glycoprotein. The epitope has not been further characterized.

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.