

## Product datasheet for **AM26055PU-N**

### CD41 (ITGA2B) Mouse Monoclonal Antibody [Clone ID: 96.2C1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	96.2C1
Applications:	FC, IHC
Recommended Dilution:	Immunohistochemistry on frozen sections: 1 µg/ml (1:400). Has been described to work in FACS. Suggested positive control: Human placenta.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognizes the CD41 antigen of the CD41/61 complex expressed on platelets and megakaryocytes.
Formulation:	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 State: Aff - Purified State: Lyophilized Ig fraction
Reconstitution Method:	Reconstitute by adding 0.5ml distilled water.
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit alpha 2b
Database Link:	<a href="#">Entrez Gene 3674 Human P08514</a>
Background:	The CD41/CD61 complex, also known as platelet glycoprotein (GP) IIb/IIIa, or integrin αIIbβ3, mediates platelet aggregation by serving as the receptor for fibrinogen and von Willebrand factor.



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**Synonyms:** Integrin alpha-IIb, GP2B, ITGAB, GPalpha IIb

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

Antigen distribution:

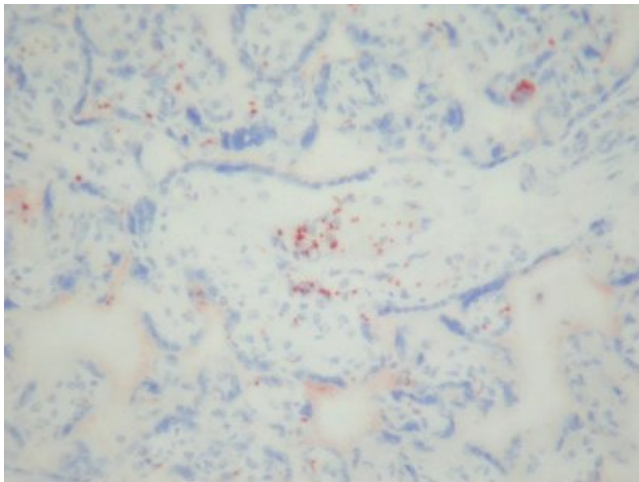
Isolated cells: The antibody stains >90% of human peripheral blood platelets in flow cytometry.

Tissue sections: platelets.

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

**Protein Pathways:** Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hematopoietic cell lineage, Hypertrophic cardiomyopathy (HCM), Pathways in cancer, Regulation of actin cytoskeleton, Small cell lung cancer

### Product images:



Immunohistochemistry on frozen sections:  
Staining with AM26055PU-N on human placenta