

## Product datasheet for **SM3021APC**

### CD41 (ITGA2B) Mouse Monoclonal Antibody [Clone ID: MEM-06]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-06
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry analysis</b> of human blood cells using 10 µl reagent/100 µl of whole blood or 10e6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Leukocytes of patient suffering from LGL-type leukaemia
Specificity:	This antibody reacts with CD41 (GPIIb), a transmembrane glycoprotein (integrin family) composed of two chains GPIIbalpha (heavy chain: 120 kDa) and GPIIbbeta (light chain: 23 kDa). CD41 is mainly expressed on platelets and megakaryocytes.
Formulation:	PBS containing 15 mM Sodium Azide as preservative Label: APC State: Liquid purified Ig fraction Label: Conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.
Conjugation:	APC
Storage:	Store the antibody at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit alpha 2b
Database Link:	<a href="#">Entrez Gene 3674 Human P08514</a>



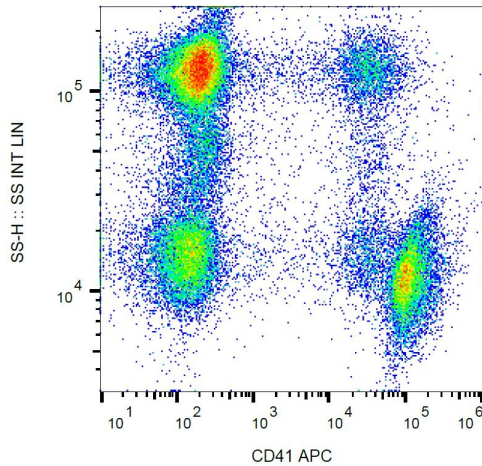
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**Background:**

CD41 (platelet glycoprotein IIb) is composed of two subunits (120 kDa  $\alpha$ ,  $\alpha$  and 23 kDa  $\beta$ ,  $\beta$ ) that interact with CD61 in the presence of calcium to form a functional adhesive protein receptor. Upon blood vessel damage, this receptor binds to a variety of proteins including von Willebrand factor, fibrinogen, fibronectin and vitronectin. CD41 is mainly expressed on megakaryocyte-platelet lineage, but generally belongs to the antigens that are expressed during early stages of hematopoietic differentiation.

**Synonyms:**

Integrin  $\alpha$ -IIb, GP2B, ITGAB, GP $\alpha$  IIb

**Product images:**

Surface staining of human platelets with anti-human CD41 (MEM-06) APC.