

Product datasheet for **SM3021R**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-06
Applications:	FC
Recommended Dilution:	Flow Cytometry analysis of human blood cells using 20 µl reagent/100 µl of whole blood or 10 ⁶ cells in a suspension.
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:	Phosphate buffered saline (PBS) containing 15 mM Sodium Azide as preservative Label: PE State: Liquid purified Ig fraction Label: Conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.
Conjugation:	PE
Storage:	Store the antibody at 2-8°C. DO NOT FREEZE! 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:	Entrez Gene 3674 Human P08514



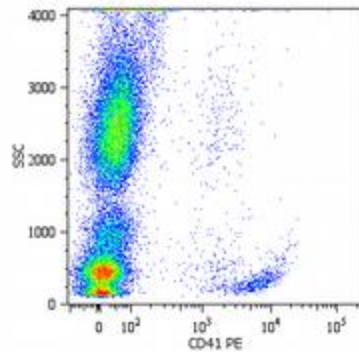
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Background:

CD41 (platelet glycoprotein IIb) is composed of two subunits (120 kDa α , α and 23 kDa β , β) 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 α -IIb, GP2B, ITGAB, GP α IIb

Product images:

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