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Product datasheet for SM3021PP

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 10 ?l reagent / 100 ?l of whole blood or 10^6 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 GPIIb alpha (heavy chain; 120 kDa) and GPIIb beta (light chain; 23 kDa). CD41 is mainly expressed on platelets and megakaryocytes.
Formulation:	Phosphate buffered saline (PBS) Label: PerCP State: Liquid purified Ig fraction Preservative: 15 mM sodium azide Label: Conjugated with Peridinin-chlorophyll-protein complex (PerCP) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.
Conjugation:	PerCP
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE! This products 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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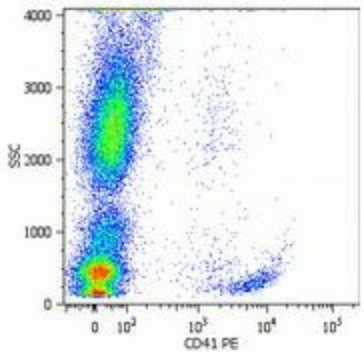
Background: CD41 (platelet glycoprotein IIb) is composed of two subunits (120 kDa a, alpha and 23 kDa b, beta) that interact with CD61 in the presence of calcium to form a functional adhesive protein receptor. Upon blood vessel damage, this receptor binds to a variety of proteins including von Willebrand 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, GPalpha IIb

Product images:



Surface staining of human platelets with anti-human CD41 PE ([SM3021R]).

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