

# CD41 Monoclonal Antibody (MEM-06), Biotin

Catalog NumberMA1-19518

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Tested Applications	
Class	Monoclonal	Dilution *	
Type	Antibody	Flow Cytometry (Flow)	
Clone	MEM-06	2 µg/mL	
Immunogen	Leucocytes from a patient suffering from a LGL type leukaemia.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Biotin		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Size-exclusion chromatography		
Storage buffer	PBS, pH 7.4		
Contains	15mM sodium azide		
Storage Conditions	4° C, do not freeze		

## Background/Target Information

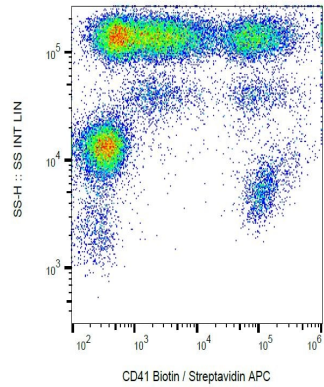
CD41 (platelet glycoprotein IIb, ITGA2B) is composed of two subunits -120 kDa a, alpha and 23 kDa b, beta- that interact with CD61 in the presence of calcium to form a functional adhesive protein receptor. CD41 is also involved in blood coagulation by mediating platelet aggregation. Upon blood vessel damage, CD41 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 the early stages of hematopoietic differentiation. Diseases associated with CD41 dysfunction include Glansmann Thrombasthenia, and Platelet type-16 bleeding disorder.

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**CD41 Antibody (MA1-19518) in Flow**

Flow cytometry analysis (surface staining) of human platelets with anti-human CD41 (MEM-06) biotin Monoclonal antibody (Product # MA1-19518), streptavidin-APC.

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