

CD41 Monoclonal Antibody (MEM-06), FITC

Catalog NumberMA1-19596

Product data sheet

Details		Species Reactivity	
Size	100 Tests	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Published species	Human, Not Applicable
Class	Monoclonal	Tested Applications	Dilution *
Type	Antibody	Flow Cytometry (Flow)	20 µL/1x10^6 cells
Clone	MEM-06	* 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.	
Immunogen	Leucocytes from a patient suffering from a LGL type leukaemia.		
Conjugate	FITC		
Form	Liquid		
Purification	Size-exclusion chromatography		
Storage buffer	PBS, pH 7.4, with 0.2% BSA		
Contains	15mM sodium azide		
Storage Conditions	4° C, store in dark, DO NOT FREEZE!		

Background/Target Information

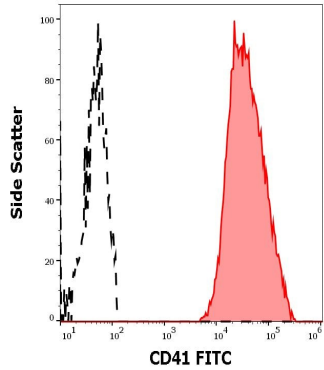
CD41 (platelet glycoprotein IIb, ITGA2B) is composed of two subunits -120 kDa a, alpha and 23 kDa b, beta- that interact with CD61 in the presence of calcium to form a functional adhesive protein receptor. CD41 is also involved in blood coagulation by mediating platelet aggregation. Upon blood vessel 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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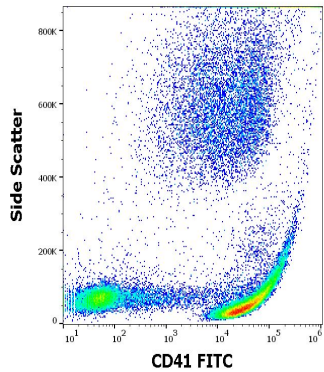
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CD41 Antibody (MA1-19596) in Flow

Separation of human CD41 positive thrombocytes (red-filled) from CD41 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD41 (MEM-06) FITC Monoclonal antibody (Product # MA1-19596) using a dilution of 20 µL reagent/100 µL of peripheral whole blood.



CD41 Antibody (MA1-19596) in Flow

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD41 (MEM-06) FITC Monoclonal antibody (Product # MA1-19596) using a dilution of 20 µL reagent/100 µL of peripheral whole blood.

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