

CD41 Monoclonal Antibody (CLB-48)

Catalog NumberMA1-35193

Product data sheet

Details		Species Reactivity	
Size	1 mL	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Tested Applications	
Class	Monoclonal	Flow Cytometry (Flow)	Assay-dependent
Type	Antibody	Immunocytochemistry (ICC/IF)	Assay-dependent
Clone	CLB-48	* 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	Human platelets.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.1 mg/mL		
Storage Conditions	4° C		

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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