

Product datasheet for **TA385996**

CD41 (ITGA2B) Rabbit Monoclonal Antibody [Clone ID: 1000000]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1000000
Applications:	ELISA, IF, WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	Human blood platelets.
Specificity:	The antibody binds to GPIIb/IIIa with an affinity (Kd) of 16.2±6 nM. The antibody completely inhibits platelet aggregation at 7.8 µg/ml.

The antibody binds specifically to human GPIIb/IIIa, and integrin complex of membrane glycoproteins expressed on the surface of platelets. The GPIIb/IIIa complex acts as a receptor for fibrinogen and Von Willebrand factor, hemostatic glycoproteins that mediate platelet aggregation and blood coagulation. The monoclonal antibody 10E5 inhibits the binding of fibrinogen to its platelet receptor, preventing the platelet aggregation, to be used during coronary artery surgeries such as angioplasty. The antibody is also useful in the study of the disease Glanzmann's thrombasthenia, caused by defects in GPIIb/IIIa, and of immune thrombocytopenic purpura, where autoantibodies are produced against GPIIb/IIIa.

Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	integrin subunit alpha 2b
Database Link:	Entrez Gene 3674 Human P08514



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Synonyms: CD41; CD41B; GP2B; GPIIb; GTA; HPA3; ITGAB

Note: This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.