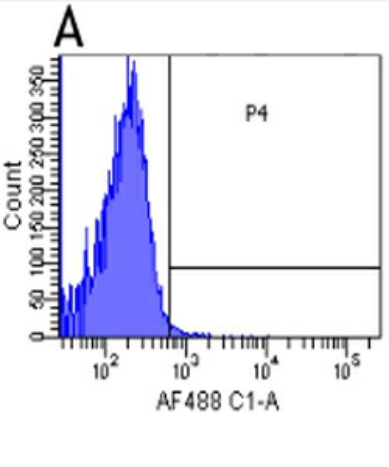
RecomAb™

ITGA2B recombinant monoclonal antibody, clone 7E3 (Abciximab)

Catalog # RAB01147 Size 200 ug

Applications



Flow Cytometry

Flow-cytometry were stained with an isotype control at a concentration of 1 ug/mL for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow-cytometer.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CD41.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against CD41 is the integrin alpha chain 2b forming a fibrinogen receptor in heterodimeric complex with beta 3.
Reactivity	Human
Specificity	Recognises human CD41.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A affinity purification
Isotype	IgG, Kappa

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Recommend Usage	Flow cytometry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Applications

- Flow Cytometry

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Gene Info — ITGA2B

Entrez GeneID	3674
Protein Accession#	P08514
Gene Name	ITGA2B
Gene Alias	CD41, CD41B, GP2B, GPIIb, GTA, HPA3
Gene Description	integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41)
Omim ID	273800 607759
Gene Ontology	Hyperlink
Gene Summary	ITGA2B encodes integrin alpha chain 2b. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. Alpha chain 2b undergoes post-translational cleav age to yield disulfide-linked light and heavy chains that join with beta 3 to form a fibronectin recept or expressed in platelets that plays a crucial role in coagulation. Mutations that interfere with this r ole result in thrombasthenia. In addition to adhesion, integrins are known to participate in cell-surf ace mediated signalling. [provided by RefSeq
Other Designations	integrin alpha 2b|platelet fibrinogen receptor, alpha subunit|platelet-specific antigen BAK

Pathway

- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- ECM-receptor interaction

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- Focal adhesion
- Hematopoietic cell lineage
- Hypertrophic cardiomyopathy (HCM)
- Pathways in cancer
- Regulation of actin cytoskeleton
- Small cell lung cancer

Disease

- Abortion
- Acute Chest Syndrome
- Acute Disease
- Alzheimer disease
- Anemia
- Angina
- Antiphospholipid Syndrome
- Arterial Occlusive Diseases
- Arteriosclerosis
- Atherosclerosis
- Brain Ischemia
- Cardiovascular Diseases
- Carotid Stenosis
- Cerebrovascular Accident
- Cerebrovascular Disorders
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis

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- Coronary Stenosis
- Coronary Thrombosis
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Nephropathies
- Diabetic Retinopathy
- Edema
- Genetic Predisposition to Disease
- Graft Occlusion
- Hemorrhage
- Hypercholesterolemia
- Hypertension
- Infant
- Inflammation
- Insulin Resistance
- Intracranial Hemorrhages
- Ischemic Attack
- Kidney Failure
- Lupus Erythematosus
- Metabolic Syndrome X
- Myocardial Infarction
- Myocardial Ischemia
- Neoplasms
- Obesity
- Osteoporosis
- Pain

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- Postoperative Complications
- Pre-Eclampsia
- Prosthesis Failure
- Recurrence
- Retinal Vein Occlusion
- Stroke
- Thrombasthenia
- Thromboangiitis Obliterans
- Thrombocytopenia
- Thrombophilia
- Thrombosis
- Vascular Diseases

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