

For Research Use Only

CD41/Integrin alpha 2b Monoclonal antibody, PBS Only



Catalog Number: 60350-1-PBS

Basic Information

Catalog Number: 60350-1-PBS	GenBank Accession Number: BC126442	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 3674	CloneNo.: 6D7C5
Source: Mouse	UNIPROT ID: P08514	
Isotype: IgG1	Full Name: integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41)	
	Calculated MW: 113 kDa	
	Observed MW: 125 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

The integrins are a superfamily of cell adhesion receptors that bind to extracellular matrix ligands, cell-surface ligands, and soluble ligands (PMID: 17543136). They are transmembrane $\alpha\beta$ heterodimers and at least 24 distinct integrin heterodimers are formed by the combination of 18 α and eight β known subunits (PMID: 17543136; 20029421). In addition to mediating cell adhesion, integrins also play important roles in modulating signal transduction pathways that control cellular responses including migration, proliferation, differentiation, and apoptosis (PMID:19118207). Integrin alpha-IIb (ITGA2B, CD41) is expressed on platelets, megakaryocytes and some hematopoietic progenitor cells (PMID: 11934866). This protein undergoes post-translational cleavage to yield disulfide linked light (25 kDa) and heavy (125 kDa) chains which join with integrin beta3 (CD61) to form a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. Integrin alpha-IIb/beta-3 is crucial for platelet aggregation through binding of soluble fibrinogen.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

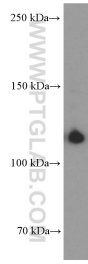
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



human spleen tissue were subjected to SDS PAGE followed by western blot with 60350-1-Ig (CD41/Integrin alpha 2b Antibody) at dilution of 1:1600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60350-1-PBS in a different storage buffer formulation.