

Integrin beta 3 Recombinant antibody

Catalog Number: 83053-4-RR

Basic Information

Catalog Number: 83053-4-RR	GenBank Accession Number: BC127667	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 3690	CloneNo.: 230292D5
Source: Rabbit	UNIPROT ID: P05106	Recommended Dilutions: IF/ICC 1:200-1:800
Isotype: IgG	Full Name: integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)	
	Calculated MW: 87 kDa	
	Observed MW: 100-110 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	Positive Controls: IF/ICC : HUVEC cells,
Species Specificity: human	

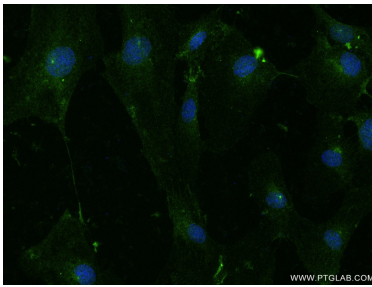
Background Information

Integrin beta-3, also named as CD61 and GPIIIa, is a receptor for cytotactin, fibronectin, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin, vitronectin and von Willebrand factor. Integrin beta-3 recognize the sequence R-G-D in a wide array of ligands and the sequence H-H-L-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain. Following activation integrin beta-3 brings about platelet/platelet interaction through binding of soluble fibrinogen which leads to rapid platelet aggregation which physically plugs ruptured endothelial surface. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions. Human integrin beta-3 has a calculated molecular weight of 87 kDa. As a result of glycosylation, the apparent molecular mass of integrin beta-3 is approximately 90-110 kDa.

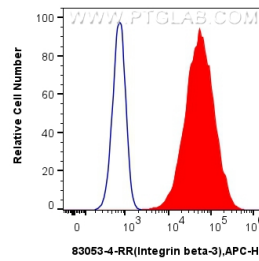
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HUVEC cells using Integrin beta-3 antibody (83053-4-RR, Clone: 230292D5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10⁶ HUVEC cells were intracellularly stained with 0.25 ug Anti-Human Integrin beta-3 (83053-4-RR, Clone:230292D5) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).