

For Research Use Only

CD61 / Integrin Beta 3 Monoclonal antibody



Catalog Number: 66952-1-Ig

Featured Product

6 Publications

Basic Information

Catalog Number: 66952-1-Ig	GenBank Accession Number: BC127666	Purification Method: Protein A purification
Size: 150ul , Concentration: 1800 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3690	CloneNo.: 3D8E5
Source: Mouse	Full Name: integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG2b	Calculated MW: 788 aa, 87 kDa	
Immunogen Catalog Number: AG27834	Observed MW: 100-110 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HUVEC cells, human placenta tissue
Cited Applications: IHC, IP, WB	
Species Specificity: Human	
Cited Species: human, mouse	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Hiroyuki Yamato	34702952	Sci Rep	WB,IHC
Junxin Mai	35597930	BMC Biotechnol	WB,IP
Xian Tang	33750407	Reprod Biol Endocrinol	WB

Storage

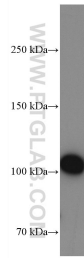
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

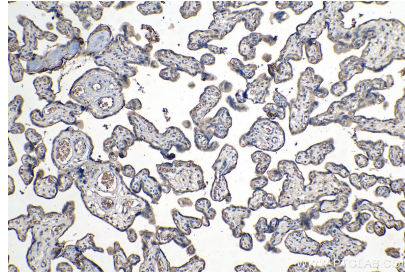
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

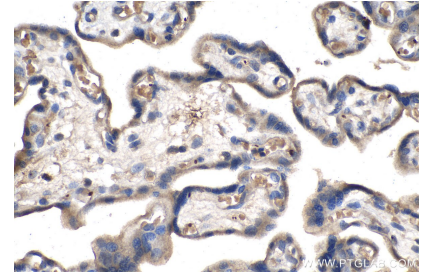
Selected Validation Data



HUVEC cells were subjected to SDS PAGE followed by western blot with 66952-1-Ig (CD61 / Integrin Beta 3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66952-1-Ig (CD61 / Integrin Beta 3 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66952-1-Ig (CD61 / Integrin Beta 3 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).