

For Research Use Only

Anti-Human CD61 / Integrin beta 3 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98864-1-PBS



Basic Information

Catalog Number:

98864-1-PBS

Size:

1mg, 3 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG10480

GenBank Accession Number:

GeneID (NCBI):

3690

Full Name:

integrin, beta 3 (platelet glycoprotein

IIIa, antigen CD61)

Purification Method:

Protein A purification

CloneNo.:

252741E11

Applications

Tested Applications:

FC

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 -80°C.

Storage Buffer:

PBS only, pH7.3

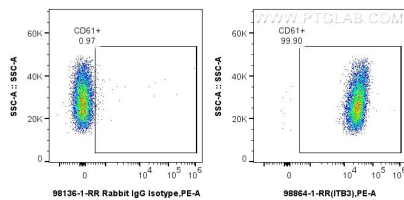
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

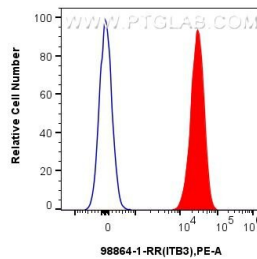
E: proteintech@ptglab.com
W: ptglab.com

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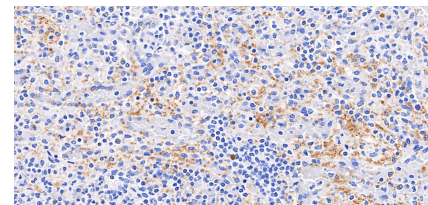
Selected Validation Data



1x10⁶ human platelets were surface stained with 0.25 ug Anti-Human CD61 / Integrin beta 3 Rabbit RecAb (98864-1-RR, Clone: 252741E11) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98864-1-PBS in a different storage buffer formulation.



1x10⁶ human platelets were surface stained with 0.25 ug Anti-Human CD61 / Integrin beta 3 Rabbit RecAb (98864-1-RR, Clone: 252741E11) (red) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98864-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 98864-1-RR (ITB3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 98864-1-PBS in a different storage buffer formulation.