

For Research Use Only

Anti-Human CD61 / Integrin beta 3 Rabbit Recombinant Antibody

Catalog Number: 98864-1-RR



Basic Information

Catalog Number:

98864-1-RR

Size:

100ug, 1000 µg/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

Recommended Dilutions:

IHC: 1:500-1:2000

FC: 0.25 µg per 10⁶ cells in a 100 µl
suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

IHC : human spleen tissue,

FC : human platelets,

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

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 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

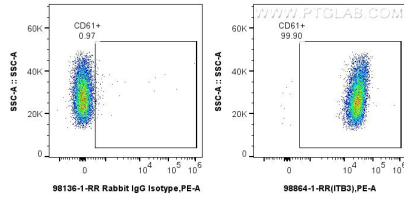
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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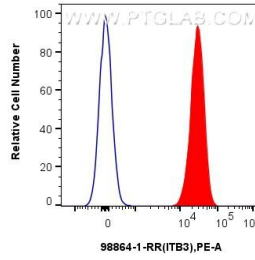
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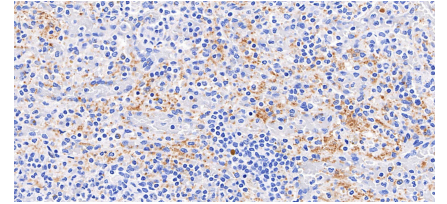
Selected Validation Data



1×10^6 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.



1×10^6 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.



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).