

Biotin Anti-Human CD61 / Integrin beta 3 Rabbit Recombinant Antibody

Catalog Number: Biotin-98864

Basic Information

Catalog Number:

Biotin-98864

Concentration:

100ug, 500 ug/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:

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

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human peripheral blood platelets,

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

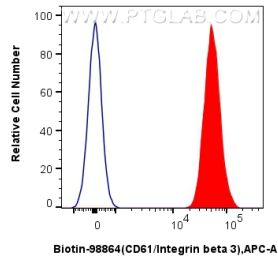
Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

Selected Validation Data



1x10⁶ human peripheral blood platelets were surface stained with 0.25 ug Biotin Anti-Human CD61 / Integrin beta 3 Rabbit RecAb (Biotin-98864, Clone: 252741E11) (red) or Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-98136, Clone: 240953C9) (blue), and Streptavidin-CorLite® Plus 647 Conjugate (CL647-PF00030). Cells were not fixed.