

CD61 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250732

Unit: 0.1 mg

Description:

CD61, also called integrin beta-3, belongs to the integrin protein family that participates in cell adhesion and cell-surface mediated signalling by forming heterodimers of alpha and beta integrin chains. Integrin alpha-V/beta-3 is a receptor for cytoactin, fibronectin, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin, vitronectin and von Willebrand factor. Integrin alpha-IIb/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. These two integrins recognize the sequence RGD in a wide array of ligands. Integrin IIb/IIIa recognizes the sequence HHLGGGAKQAGDV in fibrinogen gamma chain. Following activation, integrin alpha-IIb/beta-3 supports platelet/platelet interaction through binding of soluble fibrinogen, leading to rapid platelet aggregation which physically plugs ruptured endothelial surface. Defects in CD61 are a cause of Glanzmann thrombasthenia, a blot clot disorder.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R, B, P, Rb

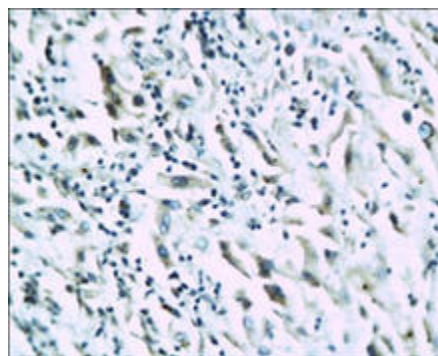
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Integrin beta-3; Platelet membrane glycoprotein IIIa; GPIIIa; CD61; ITGB3; GP3A

Accession No.: P05106

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CD61.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



CD61 staining in human liver cancer. Paraffin-embedded human liver cancer is stained with CD61 antibody (Cat. No. 250732) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.