

Integrin beta 3 Antibody FITC Conjugated

Catalog No: #C00228F

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Description

Product Name	Integrin beta 3 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt IF
Species Reactivity	Hu Ms
Immunogen Description	KLH conjugated synthetic peptide aa 27-77 788 derived from human Integrin beta 3
Conjugates	FITC
Target Name	Integrin beta 3
Other Names	GT; CD61; GP3A; BDPLT2; GPIIIa; BDPLT16; Integrin beta-3; Platelet membrane glycoprotein IIIa; ITGB3
Accession No.	Swiss-Prot#P05106NCBI Gene ID3690
Uniprot	P05106
GeneID	3690;
Excitation Emission	494nm 518nm
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

Flow-Cyt=1:50-200 IF=1:50-200

Background

Integrin alpha-V beta-3 is a receptor for cytotactin, 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. Integrins alpha-IIb beta-3 and alpha-V beta-3 recognize the sequence R-G-D in a wide array of ligands. Integrin alpha-IIb beta-3 recognizes the sequence H-H-L-G-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain. Following activation integrin alpha-IIb beta-3 brings about platelet platelet interaction through binding of soluble fibrinogen. This step leads to rapid platelet aggregation which physically plugs ruptured endothelial surface. Fibrinogen binding enhances SELP expression in activated platelets (By similarity). In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions.

Note: This product is for in vitro research use only