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Rabbit Anti-Integrin Alpha V + Beta 3 (CD51+CD61)/PE Conjugated antibody

SL1310R-PE

Product Name	Anti-Integrin Alpha V + Beta 3 (CD51+CD61)/PE
Chinese Name	PE 标记的整合素 αVβ3 抗体
Alias	CD51 + CD61; CD51; CD61; GP3A; GPIIIa; integrin alpha v; integrin beta 3; intregrin alpha v beta 3; ITGAV; ITGB3; Platelet membrane glycoprotein IIIa; Vitronectin receptor alpha subunit; VNRA; Antigen identified by monoclonal antibody L230; CD51 antigen; CD61 antigen; DKFZp686A08142; Integrin alpha V (vitronectin receptor, alpha polypeptide, antigen CD51); integrin alpha v; Integrin beta 3 (platelet glycoprotein IIIa, antigen CD61); Integrin beta chain beta 3; intregrin alpha v beta 3; ITGAV; MSK8; Platelet glycoprotein IIIa; Platelet membrane glycoprotein IIIa; Vitronectin receptor alpha subunit; Vitronectin receptor subunit alpha.
Research Area	Cell biology immunology Signal transduction Stem cells Cell adhesion molecule
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse,Rat
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Integrin Alpha V + Beta 3
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks

at 2-4 °C.

background:
Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. They are known to participate in cell adhesion as well as cell-surface mediated signalling. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain.
CD51 encodes integrin alpha chain V. The I-domain containing integrin alpha V undergoes post-translational cleavage to yield disulfide-linked heavy and light chains, that combine with multiple integrin beta chains to form different integrins. The CD61 protein product is the integrin beta chain beta 3. Integrin beta 3 is found along with the alpha IIb chain in platelets.
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 V/beta 3 recognizes the sequence R-G-D in a wide array of ligands. The alpha V integrins are receptors for vitronectin, cytotactin, fibronectin, fibrinogen, laminin, matrix metalloproteinase 2, osteopontin, osteomodulin, prothrombin, thrombospondin and von Willebrand factor. They recognize the sequence R-G-D in a wide array of ligands.

Product Detail

Subcellular Location:
Cell Membrane; single-pass type I membrane protein.

Database links:

Entrez Gene: 3685 Human

Entrez Gene: 3690 Human

Omim: 173470 Human

Omim: 193210 Human

SwissProt: P05106 Human

SwissProt: P06756 Human

Unigene: 218040 Human

Unigene: 436873 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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整合素 αVβ3 为二聚体的跨膜 glycoprotein 质，可以调节 Tumour 细胞在多种 Extracellular matrix 蛋白中的粘附和迁移，在被激活的 endothelial cells 中有较高的表达，并在新生血管生成过程中发挥优势。
整合素 αVβ3 在细胞外的信号传入细胞内调节细胞生长、改变细胞形态、影响细胞运动, 并在 Tumour 侵袭和转移的过程中起重要作用.整合素 αVβ3 是特异性表达在 vascular endothelial cell 表面的粘附因子。