Integrin Alpha V Antibody Cy3 Conjugated

Catalog No: #C02329Cy3

Package Size: #C02329Cy3 100ul

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Support: tech@signalwayantibody.com

Description

Product Name	Integrin Alpha V Antibody Cy3 Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	Human;Mouse;Rat
Immunogen Description	KLH conjugated synthetic peptide derived from human Integrin Alpha V + Beta 3
Conjugates	Cy3
Target Name	ITGAV
Other Names	CD51; Integrin alpha five; integrin alpha V beta 3; Integrin alpha-V light chain; ITGAV; Msk8;Vitronectin receptor subunit alpha; VNRA; VTNR.
Accession No.	P06756
Cell Localization	Extracellular
Concentration	1mg/ml
Formulation	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF 1:100-500

Background

ITAGV encodes integrin alpha chain V. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. 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. Among the known associating beta chains (beta chains 1,3,5,6, and 8; 'ITGB1', 'ITGB3', 'ITGB5', 'ITGB6', and 'ITGB8'), each can interact with extracellular matrix ligands; the alpha V beta 3 integrin, perhaps the most studied of these, is referred to as the Vitronectin receptor (VNR). In addition to adhesion, many integrins are known to facilitate signal transduction. The ITGB3 protein product is the integrin beta chain beta 3. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. Integrin beta 3 is found along with the alpha IIb chain in platelets. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling.

Published Papers

el at., Engineered multi-functional, pro-angiogenic collagen-based scaffolds loaded with endothelial cells promote large deep burn wound healingInFront PharmacolOn2023 Mar 1byHengyue Song 1 2 3, Kewa Gao et al..PMID: 36937891, , (2023)

PMID:36937891

Note: This product is for in vitro research use only and is not intended for use in humans or animals.