

For Research Use Only

# CoraLite® Plus 647-conjugated Integrin Alpha V Recombinant monoclonal antibody

Catalog Number: **CL647-84883-5**



## Basic Information

<b>Catalog Number:</b> CL647-84883-5	<b>GenBank Accession Number:</b> BC136442	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3685	<b>CloneNo.:</b> 242376D3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P06756	<b>Recommended Dilutions:</b> IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Immunogen Catalog Number:</b> AG25825	<b>Calculated MW:</b> 1048 aa, 116 kDa	
	<b>Observed MW:</b> 130 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : A549 cells,
<b>Species Specificity:</b> human	

## Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated alpha and beta subunits. Integrin alpha V, also known as CD51, is a type I transmembrane glycoprotein composed of an extracellular domain, a transmembrane region and cytoplasmic domain (PMID: 2430295; 1690718). It can form heterodimers with one of the five beta integrin subunits (beta 1, 3, 5, 6, 8) that recognize ligands containing the sequence Arg-Gly-Asp, such as vitronectin, fibronectin, and osteopontin (PMID: 37087799). Integrin alpha V mainly plays a role in extracellular matrix-mediated cell adhesion and migration, differentiation, wound healing, inflammation, tumorigenesis, proliferation, angiogenesis, and metastasis.

## Storage

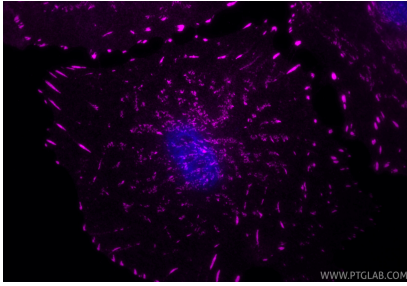
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A549 cells using CoraLite® Plus 647 Integrin Alpha V antibody (CL647-84883-5, Clone: 242376D3) at dilution of 1:200.