### Overview

**Product name**
Anti-Integrin alpha V antibody [272-17E6] ab16821

**Description**
Mouse monoclonal [272-17E6] to Integrin alpha V

**Host species**
Mouse

**Specificity**
Cross reacts with all alpha V integrins.

**Tested applications**
Suitable for: Inhibition Assay, ICC/IF, Blocking, Flow Cyt, ELISA, IP

**Species reactivity**
Reacts with: Human
Does not react with: Mouse

**Immunogen**
Full length native protein (purified) (Human).

**Positive control**
Human breast carcinoma

**General notes**
This product was changed from ascites to tissue culture supernatant on 17 May 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.

### Properties

**Form**
Liquid

**Storage instructions**
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

**Storage buffer**
pH: 7.60
Preservative: 0.09% Sodium azide
Constituent: PBS

**Purity**
Tissue culture supernatant

**Purification notes**
Purified from TCS.

**Clonality**
Monoclonal

**Clone number**
272-17E6

**Isotype**
IgG1

### Applications

Our Abpromise guarantee covers the use of ab16821 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
### Function
The alpha-V integrins are receptors for vitronectin, cytotactin, fibronectin, fibrinogen, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin and vWF. They recognize the sequence R-G-D in a wide array of ligands. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi’s sarcoma lesions.

### Sequence similarities
Belongs to the integrin alpha chain family.
Contains 7 FG-GAP repeats.

### Cellular localization
Membrane.

### Images

**Immunocytochemistry/ Immunofluorescence - Anti-Integrin alpha V antibody [272-17E6] (ab16821)**

This image is a courtesy of Anonymous Abreview.

ab16821 staining Integrin alpha V in Human prostate cells by Immunocytochemistry/ Immunofluorescence. Cells were fixed with paraformaldehyde, permeabilized with 0.2% Triton X-100 and blocked with 1% serum for 2 hours at room temperature. Samples were incubated with primary antibody (1/250 in 1% BSAPBS) for 15 hours at 4°C. An Alexa Fluor® 488-conjugated Goat anti-mouse IgG polyclonal (1/500) was used as secondary antibody.

This image was generated using the ascites version of the product.
ab16821 staining Integrin alpha V in Human melanoma cells by Flow Cytometry. Samples were prepared by trypsinizing cells, treatment with STI and spun out trypsin, kept on ice during experiment duration. FSC and SSC were used to gate healthy cell population, which excluded PI positive cells. The primary antibody was diluted 1/250 and incubated with sample for 1 hour at 4°C in 2% FCS, 0.1% NaN3/PBS. An Alexa Fluor® 488-conjugated Goat polyclonal to mouse IgG was used at dilution at 1/500 as secondary antibody.

This image was generated using the ascites version of the product.

Flow Cytometry - Anti-Integrin alpha V antibody
[272-17E6] (ab16821)
This image is a courtesy of Anonymous Abreview

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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