

# ABflo® 647 Rabbit anti-Human CD51/ITGAV mAb

Catalog NO.: A22299

## Basic Information

### Observed MW

### Calculated MW

116kDa

### Category

Monoclonal Antibodies

### Applications

FC (intra)

### Cross-Reactivity

Human

### Conjugation

ABflo® 647. Ex:648nm. Em:664nm.

### Clone number

ARC50621

## Background

The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha subunit and a beta subunit that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha V subunit. This subunit associates with beta 1, beta 3, beta 5, beta 6 and beta 8 subunits. The heterodimer consisting of alpha V and beta 3 subunits is also known as the vitronectin receptor. This integrin may regulate angiogenesis and cancer progression. Alternative splicing results in multiple transcript variants. Note that the integrin alpha 5 and integrin alpha V subunits are encoded by distinct genes.

## Recommended Dilutions

**FC (intra)**    5 µl per 10<sup>6</sup> cells in 100 µl volume

## Immunogen Information

### Gene ID

3685

### Swiss Prot

P06756

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

CD51; MSK8; VNRA; VTNR

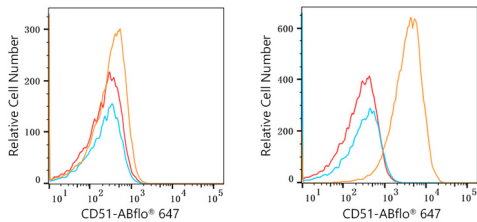
## Contact

## Product Information

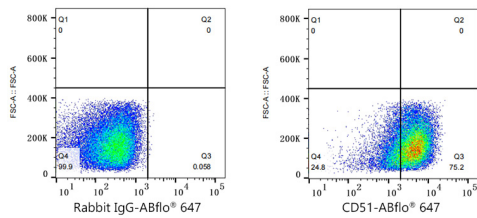
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|                                                                                                                                   |                |                       |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| <b>Source</b>                                                                                                                     | <b>Isotype</b> | <b>Purification</b>   |
| Rabbit                                                                                                                            | IgG            | Affinity purification |
| <b>Storage</b>                                                                                                                    |                |                       |
| Store at 2-8°C. Avoid freeze.                                                                                                     |                |                       |
| Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3. |                |                       |

## Validation Data



Flow cytometry:1X10<sup>6</sup> MOLT-4 cells (Low Expression,left) and BeWo cells (right) were intracellularly-stained with ABflo® 647 Rabbit anti-Human CD51 mAb(A22299,5 µl/Test,orange line) or ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:1X10<sup>6</sup> BeWo cells were intracellularly-stained with ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,left) or ABflo® 647 Rabbit anti-Human CD51 mAb(A22299,5 µl/Test,right).

