**Product datasheet**

**Anti-Integrin alpha V beta 3 antibody [BV3] ab7166**

**Overview**

**Product name**
Anti-Integrin alpha V beta 3 antibody [BV3]

**Description**
Mouse monoclonal [BV3] to Integrin alpha V beta 3

**Host species**
Mouse

**Specificity**
This monoclonal antibody binds to human CD51 and Cd61 integrins present on human endothelium cells.

**Tested applications**
Suitable for: ICC/IF, IHC-P, IHC-Fr, IP, Flow Cyt

**Unsuitable for:** WB

**Species reactivity**
Reacts with: Rat, Chicken, Human

**Properties**

**Form**
Liquid

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

**Storage buffer**
Preservative: 0.1% Sodium azide
Constituent: 0.2% BSA

**Purity**
Protein G purified

**Clonality**
Monoclonal

**Clone number**
BV3

**Isotype**
IgG1

**Applications**

Our Abpromise guarantee covers the use of ab7166 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>ICC/IF</td>
<td>★★★★★</td>
<td>1/250.</td>
</tr>
<tr>
<td>IHC-P</td>
<td>★★★★★</td>
<td>Use at an assay dependent concentration.</td>
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</tbody>
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Application notes

Is unsuitable for WB.

Relevance


Cellular localization


Images
ab7166 staining human breast cancer cells by ICC/IF. Cells were paraformaldehyde fixed for 10 minutes and blocked in 5% serum for 1 hour at 25°C. The primary antibody was diluted 1/250 and incubated with the sample for 16 hours. An Alexa Fluor® 488 conjugated goat polyclonal to mouse antibody, diluted 1/200 was used as the secondary.

ab7166 staining Integrin alpha V beta 3 in human MeWo melanoma cells by Flow Cytometry. Cells were cultured in 24 well plates and harvested with 100 µL trypsin/EDTA. Cells were fixed in 1:1 mixture of FACS/Flow and 4% paraformaldehyde in PBS. The primary antibody was diluted to 1 µg/ml and incubated with sample in 3% bovine serum albumin in phosphate buffer for 30 minutes at 37°C. An ab6785, FITC-conjugated goat polyclonal to mouse IgG (1/100) was used as secondary. A459 cells were used as negative control and showed no significant binding of the antibody. Different concentrations were evaluated and 1 µg/ml yield gave the best results. Blank cells were not treated with any antibodies at all, sec only cells were treated with secondary but not primary antibody.

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