Product datasheet

Anti-Integrin alpha V beta 3 antibody [27.1 (VNR-1)]
ab78289

Overview

Product name: Anti-Integrin alpha V beta 3 antibody [27.1 (VNR-1)]
Description: Mouse monoclonal [27.1 (VNR-1)] to Integrin alpha V beta 3
Host species: Mouse
Specificity: Reacts with the Integrin alpha V beta 3
Tested applications: Suitable for: ICC/IF, Flow Cyt, IP, IHC-Fr, Blocking
Unsuitable for: IHC-P
Species reactivity: Reacts with: Human
Immunogen: The details of the immunogen for this antibody are not available.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer: pH: 7.60
Preservative: 0.1% Sodium azide
Constituents: 1.45% Sodium chloride, 0.0536% PBS
Purity: Ascites
Purification notes: Purified from ascites.
Clonality: Monoclonal
Clone number: 27.1 (VNR-1)
Isotype: IgG1

Applications

Our Abpromise guarantee covers the use of ab78289 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>
</tr>
</thead>
<tbody>
<tr>
<td>ICC/IF</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 22655084</td>
</tr>
</tbody>
</table>
| Flow Cyt    |           | Use 2µg for 10^6 cells.  
  *ab170190* - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody. |
| IP          |           | Use at an assay dependent concentration. |
| IHC-Fr      |           | Use at an assay dependent concentration. 4-10% formalin fixed frozen tissues (short fixation times, 10 minutes room temperature) only' |
| Blocking    |           | Use at an assay dependent concentration. Competes with clone LM609 for integrin function blocking. |

### Application notes

Is unsuitable for IHC-P.

### Target

#### Relevance


#### Cellular localization


#### Images

<table>
<thead>
<tr>
<th>Images</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="622" alt="Image" /></td>
</tr>
</tbody>
</table>
Immunofluorescence analysis of U87MG cells, staining Integrin alpha V beta 3 (red) with ab78289 at 1/500 dilution.

Cells were either untreated (left) or treated with 10 nM PTX for 12 hours (right). Nuclei were stained with DAPI (blue).

Overlay histogram showing A431 cells stained with ab78289 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab78289, 2µg/1x10^6 cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (ab91353, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed.

Please note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.
Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors