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.
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 repeated freeze / thaw cycles.
Storage buffer
pH: 7.60
Preservative: 0.1% Sodium azide
Constituents: 1.45% Sodium chloride, 0.0536% PBS
Purity
Tissue culture supernatant
Purification notes
Purified from TCS.
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><img src="https://www.abreviews.com/rating.png" alt="Rating" /></td>
<td>Use at an assay dependent concentration. PubMed: 22655084</td>
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<tr>
<td>Flow Cyt</td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td></td>
<td><strong>ab170190</strong> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.</td>
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<tr>
<td>IP</td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>IHC-Fr</td>
<td>Use at an assay dependent concentration. 4-10% formalin fixed frozen tissues (short fixation times, 10 minutes room temperature) only'</td>
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<tr>
<td>Blocking</td>
<td>Use at an assay dependent concentration. Competes with clone LM609 for integrin function blocking.</td>
<td></td>
</tr>
<tr>
<td>Application notes</td>
<td>Is unsuitable for IHC-P.</td>
<td></td>
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</tbody>
</table>

**Target**

**Relevance**


**Cellular localization**


**Images**
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).

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

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.

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

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

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- Extensive multi-media technical resources to help you
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