Product datasheet

Anti-Integrin alpha V antibody [EPR5583] ab124968

Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-Integrin alpha V antibody [EPR5583]</th>
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</thead>
<tbody>
<tr>
<td>Description</td>
<td>Rabbit monoclonal [EPR5583] to Integrin alpha V</td>
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<tr>
<td>Host species</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Tested applications</td>
<td>Suitable for: WB, Flow Cyt</td>
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<tr>
<td></td>
<td>Unsuitable for: ICC, IHC-P or IP</td>
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<tr>
<td>Species reactivity</td>
<td>Reacts with: Mouse, Rat, Human</td>
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<tr>
<td>Immunogen</td>
<td>Synthetic peptide within Human Integrin alpha V aa 1000-1100 (intracellular). The exact sequence is proprietary. Database link: P06756</td>
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<tr>
<td>Positive control</td>
<td>A549, A431, C6, RAW264.7, PC12, and NIH 3T3 cell lysates; A549 cells.</td>
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<tr>
<td>General notes</td>
<td>This product is a recombinant monoclonal antibody, which offers several advantages including:</td>
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<td>- High batch-to-batch consistency and reproducibility</td>
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<tr>
<td></td>
<td>- Improved sensitivity and specificity</td>
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<td></td>
<td>- Long-term security of supply</td>
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<td>- Animal-free production</td>
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<td></td>
<td>For more information see here.</td>
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<tr>
<td></td>
<td>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.</td>
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</table>

Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.</td>
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<tr>
<td>Dissociation constant ($K_D$)</td>
<td>$K_D = 3.20 \times 10^{-12}$ M</td>
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</tbody>
</table>
Learn more about K<sub>D</sub>

**Storage buffer**
- pH: 7.2
- Preservative: 0.01% Sodium azide
- Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

**Purity**
- Tissue culture supernatant

**Clonality**
- Monoclonal

**Clone number**
- EPR5583

**Isotype**
- IgG

**Applications**

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td>⭐⭐⭐⭐⭐ 🔫 (2)</td>
<td>1/1000 - 1/10000. Detects a band of approximately 25, 150 kDa (predicted molecular weight: 86, 116 kDa).</td>
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<tr>
<td>Flow Cyt</td>
<td></td>
<td>1/10 - 1/100. <em>ab172730</em> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.</td>
</tr>
</tbody>
</table>

**Application notes**
- Is unsuitable for ICC, IHC-P or IP.

**Target**

**Function**
The alpha-V integrins are receptors for vitronectin, cytotactin, fibronecțin, 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**
Western blot - Anti-Integrin alpha V antibody [EPR5583] (ab124968)

All lanes: Anti-Integrin alpha V antibody [EPR5583] (ab124968) at 1/1000 dilution

Lane 1: A549 cell lysates
Lane 2: A431 cell lysates
Lane 3: C6 cell lysates
Lane 4: RAW264.7 cell lysates
Lane 5: PC12 cell lysates
Lane 6: NIH 3T3 cell lysates

Lysates/proteins at 10 µg per lane.

Secondary
All lanes: HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 86, 116 kDa

Flow Cytometry - Anti-Integrin alpha V antibody [EPR5583] (ab124968)

ab124968 at 1/10 dilution staining Integrin alpha V in permeabilized A549 cells by Flow cytometry (red) or a rabbit IgG (negative) (green).
Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

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