DESCRIPTION

Species Reactivity  Mouse

Specificity  Detects mouse Integrin α3/CD49c in direct ELISAs and Western blots. In direct ELISAs, less than 10% cross-reactivity with recombinant human (rh) Integrin α3 is observed.

Source  Polyclonal Goat IgG

Purification  Antigen Affinity-purified

Immunogen  S. frugiperda insect ovarian cell line Sf 21-derived recombinant mouse Integrin α3/CD49c Phe33-Glu993

Accession #  Q62470

Formulation  Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

*Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

<table>
<thead>
<tr>
<th>Sample</th>
<th>Recommended Concentration</th>
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<tbody>
<tr>
<td>Western Blot</td>
<td>0.1 µg/mL</td>
</tr>
<tr>
<td>Flow Cytometry</td>
<td>0.25 µg/10⁶ cells</td>
</tr>
<tr>
<td>CyTOF-ready</td>
<td>Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.</td>
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PREPARATION AND STORAGE

Reconstitution  Reconstitute at 0.2 mg/mL in sterile PBS.

Shipping  The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs.

Stability & Storage  Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Integrin α3, also known as CD49c and VLA-3α, is a type I membrane protein that heterodimerizes with Integrin β1. α3β1 is a cell surface adhesion molecule that functions as a receptor for laminin, fibronectin, collagen, epiligrin, thrombospondin and chondroitin sulfate proteoglycan 4. The extracellular domain of human and mouse Integrin α3 share approximately 87% amino acid sequence homology.