

## DESCRIPTION

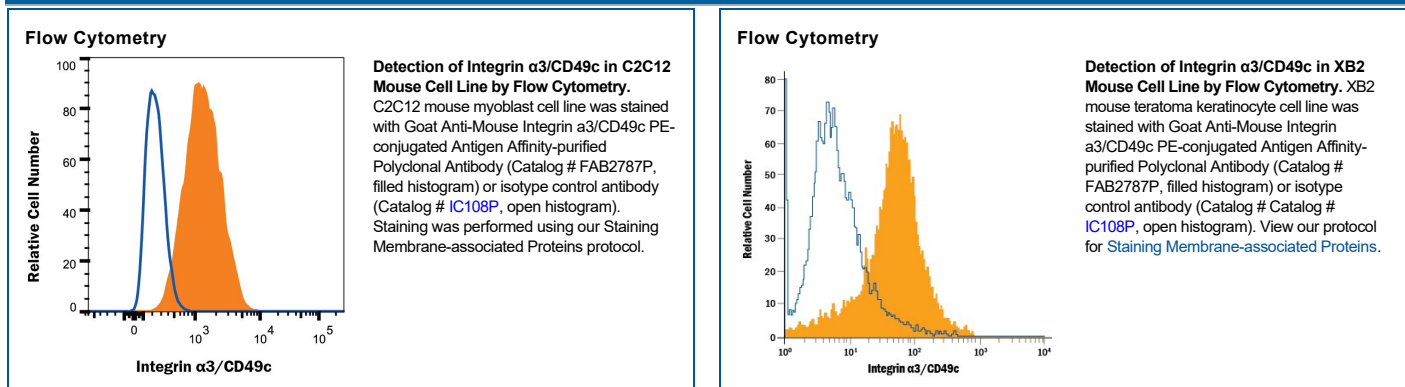
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse Integrin $\alpha$ 3/CD49c in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant mouse (rm) Integrin $\alpha$ 2, rmIntegrin $\alpha$ 4, rmIntegrin $\alpha$ 5, rmIntegrin $\alpha$ E, rmIntegrin $\alpha$ M, rmIntegrin $\alpha$ V and rmIntegrin $\alpha$ X is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant mouse Integrin $\alpha$ 3/CD49c Phe33-Glu993 Accession # Q62470
<b>Conjugate</b>	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

## 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below

## DATA



## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

Integrin  $\alpha$ 3, also known as CD49c and VLA-3 $\alpha$ , is a type I membrane protein that heterodimerizes with Integrin  $\beta$ 1.  $\alpha$ 3 $\beta$ 1 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  $\alpha$ 3 share approximately 87% amino acid sequence homology.