

## DESCRIPTION

<b>Species Reactivity</b>	Human/Mouse/Bovine
<b>Specificity</b>	Detects human, mouse, and bovine Integrin $\alpha$ 6/CD49f. Recognizes an epitope in the extracellular domain of the Integrin $\alpha$ 6 subunit.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # GoH3
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse mammary tumor cells
<b>Endotoxin Level</b>	<0.10 EU per 1 $\mu$ g of the antibody by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 $\mu$ m 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	2.5 $\mu$ g/10 <sup>6</sup> cells	Human peripheral blood mononuclear cells
<b>Blockade of Receptor-ligand Interaction</b>	Sonnenberg, A. <i>et al.</i> (1986) <i>J. Histochem. Cytochem.</i> <b>34</b> :1037. Knapp, W.B. <i>et al.</i> Eds. (1989) <i>Leukocyte Typing IV: White Cell Differentiation Antigens</i> , Oxford University Press, New York. Aumailley, M.R. <i>et al.</i> (1990) <i>Exp. Cell Res.</i> <b>188</b> :55.	
<b>Immunohistochemistry</b>	Sonnenberg, A. <i>et al.</i> (1986) <i>J. Histochem. Cytochem.</i> <b>34</b> :1037.	

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	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. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

The Integrin  $\alpha$ 6 subunit, also known as CD49f and VLA-6  $\alpha$  subunit, forms a heterodimer with Integrin  $\beta$ 1 (CD29) or  $\beta$ 4 (CD104) subunits and recognizes laminin as a ligand.