

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Integrin $\beta$ 1/CD29. Reacts with calcium-dependent epitopes on the human Integrin $\beta$ 1 subunit. This antibody activates Integrin $\beta$ 1-dependent binding to extracellular matrix substrates. The use of binding buffer containing 1 mM Ca <sup>2+</sup> is recommended.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # P4G11
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	U937 human histiocytic lymphoma cell line
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
<b>Formulation</b>	Supplied 0.2 mg/mL 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.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	0.25-1 $\mu$ g/10 <sup>6</sup> cells	Human peripheral blood mononuclear cells

## 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

The Integrin  $\beta$ 1 subunit, also known as CD29, associates with multiple distinct Integrin  $\alpha$  subunits. The Integrin  $\beta$ 1 subunit has a broad tissue distribution with the exception of erythrocytes.

### References:

- Wayner, E.A. *et al.* (1993) J. Cell Biol. **121**:1141.

## PRODUCT SPECIFIC NOTICES

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