

Human Integrin β 1/CD29 Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG₁ Clone # P4G11

Catalog Number: FAB17782V
100 μ g

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin β 1/CD29. Reacts with calcium-dependent epitopes on the human Integrin β 1 subunit. This antibody activates Integrin β 1-dependent binding to extracellular matrix substrates. The use of binding buffer containing 1 mM Ca ²⁺ is recommended.
Source	Monoclonal Mouse IgG ₁ Clone # P4G11
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	U937 human histiocytic lymphoma cell line
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	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
Flow Cytometry	0.25-1 μ g/10 ⁶ cells	Human peripheral blood mononuclear cells

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

The Integrin β 1 subunit, also known as CD29, associates with multiple distinct Integrin α subunits. The Integrin β 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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