

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin β 1/CD29.
Source	Monoclonal Mouse IgG ₁ Clone # P5D2
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human skin keratinocytes
Endotoxin Level	<0.10 EU per 1 μ g of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ 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.

	Recommended Concentration	Sample
Flow Cytometry	2.5 μ g/10 ⁶ cells	Human peripheral blood lymphocytes
Blockade of Receptor-ligand Interaction	Mukhopadhyay, N.K. <i>et al.</i> (2004) <i>Ann. Thorac. Surg.</i> 78 :450. Blaschke, F. <i>et al.</i> (2002) <i>Biochem. Biophys. Res. Commun.</i> 296 :890.	
Immunocytochemistry	Hoffstrom, B.G. and E.A. Wayner (1994) <i>Meth. Enzymol.</i> 245 :316.	
Immunoprecipitation	Lin, Q. <i>et al.</i> (2004) <i>Biochim. Biophys. Acta</i> 1689 :175. Joneckis, C.C. <i>et al.</i> (1993) <i>Blood</i> 82 :3548.	

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 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

The Integrin β 1 subunit, also known as CD29, associates with at least ten different Integrin α subunits (1).

References:

1. Wayner, E.A. and W.G. Carter (1987) *J. Cell Biol.* **105**:1873.