

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin $\alpha 6$ /CD49f.
Source	Monoclonal Mouse IgG _{2B} Clone # MP4F10
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	SW1222 human colorectal carcinoma cell line
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 mononuclear cells
Immunohistochemistry	Anbazhagan, R. <i>et al.</i> (1995) J. Pathology 176 :227.	
Immunoprecipitation	Anbazhagan, R. <i>et al.</i> (1995) J. Pathology 176 :227.	

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	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <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 $\alpha 6$ subunit, also known as CD49f and VLA-6 α subunit, forms a heterodimer with Integrin $\beta 1$ (CD29) or $\beta 4$ (CD104) subunits. Integrin $\alpha 6\beta 1$ is a receptor for laminin. Integrin $\alpha 6\beta 4$ is also a receptor for laminin and is a structural component of hemidesmosomes in stratified epithelia.