

DESCRIPTION

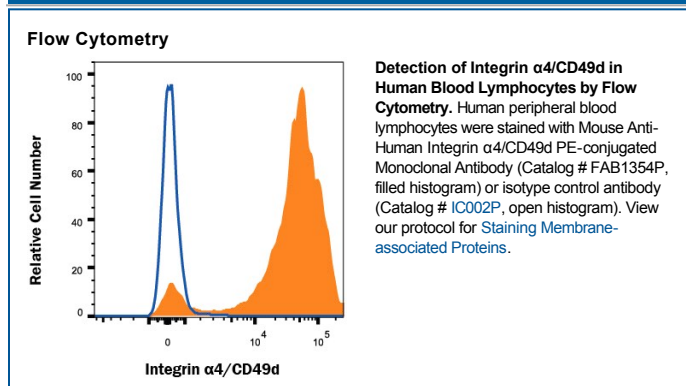
Species Reactivity	Human
Specificity	Detects the human Integrin $\alpha 4$ /CD49d subunit in flow cytometry.
Source	Monoclonal Mouse IgG ₁ Clone # 7.2R
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	DX-3 human melanoma cell line
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied 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	10 μ L/10 ⁶ cells	See Below

DATA



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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

The Integrin $\alpha 4$ subunit, also known as CD49d and VLA-4 α subunit, forms heterodimers with Integrin $\beta 1$ (CD29) or $\beta 7$. Integrins $\alpha 4\beta 1$ (VLA4) and $\alpha 4\beta 7$ are both receptors for fibronectin and VCAM. Integrin $\alpha 4\beta 7$ also binds the mucosal addressin cell adhesion molecule (MAdCAM-1). On the cell surface, VLA4 will participate in homotypic binding between endothelial cells and leukocytes. The extracellular domains of human and mouse Integrin $\alpha 4$ share 85% aa sequence identity.