

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin α 4/CD49d. Recognizes the human Integrin α 4/CD49d subunit.
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	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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 lymphocytes

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 α 4 subunit, also known as CD49d and VLA-4 α subunit, forms heterodimers with Integrin β 1 (CD29) or β 7. Integrins α 4 β 1 and α 4 β 7 are receptors for fibronectin and VCAM. Integrin α 4 β 1 also binds the mucosal addressin cell adhesion molecule (MAdCAM-1).

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