

DESCRIPTION

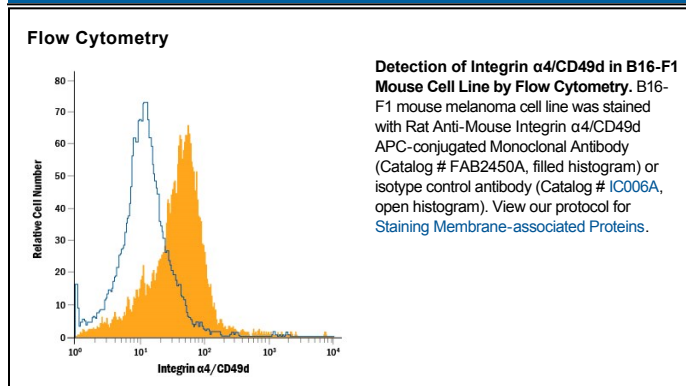
Species Reactivity	Mouse
Specificity	Detects mouse Integrin α 4/CD49d.
Source	Monoclonal Rat IgG _{2A} Clone # 265329
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Integrin α 4/CD49d Tyr34-Phe976 Accession # Q792F9
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 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

Integrin α 4, also known as CD49d and VLA subunit α , associates with either Integrin β 1 or β 7 subunits to form heterodimers that serve as receptors for fibronectin and VCAM-1. Integrin α 4 β 1 is expressed on peripheral lymphocytes, thymocytes, and monocytes, while Integrin α 4 β 7 is expressed on peripheral lymphocytes and a small subset of thymocytes. On T cells, the α 4 subunit may contribute to cytotoxic activity. Over amino acids 34-976, mouse Integrin α 4 shares 85% amino acid sequence identity to human Integrin α 4.