

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Integrin α 5/CD49e in direct ELISAs and Western blots.
Source	Monoclonal Rat IgG _{2B} Clone # 235112
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Integrin α 5/CD49e Phe45-Asn999 (Gln68Glu) Accession # P11688
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	B16-F1 mouse melanoma cell line

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.**

- 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Integrin α 5 subunit, also called CD49e, associates with the Integrin β 1 subunit (CD29) to form the VLA-5 complex. It is expressed on thymocytes, mast cells, activated T lymphocytes, and some mouse cell lines. It functions as a receptor for fibronectin (1-4).

References:

1. Springer, T.A. *et al.* (1982) *Immunol. Rev.* **68**:171.
2. Kinashi, T. and T.A. Springer (1994) *Blood Cells* **20**:25.
3. Halvorson, M.J. *et al.* (1995) *J. Immunol.* **55**:4567.
4. Uhlenkott, E.C. *et al.* (1996) *Clin. Exp. Metastasis* **14**:125.

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