

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Integrin α 5/CD49e in direct ELISAs and Western blots. In direct ELISAs, approximately 50% cross-reactivity with recombinant human (rh) Integrin α 5 is observed, 15% cross-reactivity with rhIntegrin α 2 and rhIntegrin α M is observed, and 5% cross-reactivity with rhIntegrin α E is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Integrin α 5/CD49e Phe45-Asn (Gln68Glu) Accession # P11688
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose.

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
Western Blot	0.1 μ g/mL	Recombinant Mouse Integrin α 5/CD49e
Flow Cytometry	0.25 μ g/ 10^6 cells	B16-F1 mouse melanoma cell line
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
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 α 5 subunit, also known as CD49e and VLA-5 α subunit, forms a heterodimer with the Integrin β 1 subunit (CD29). Integrin α 5 β 1 is a receptor for fibronectin and neural adhesion molecule L1.