

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin $\alpha 5$ /CD49e in Western blots. In Western blots, approximately 50% cross-reactivity with recombinant mouse (rm) Integrin $\alpha 5$ is observed and less than 2% cross-reactivity with recombinant human Integrin αM , rmIntegrin $\alpha 2$, rmIntegrin $\alpha 4$, and rmIntegrin αE is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Integrin $\alpha 5$ /CD49e Phe42-Tyr995 Accession # P08648
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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 Human Integrin $\alpha 5$ /CD49e
Flow Cytometry	2.5 μ g/ 10^6 cells	K562 human chronic myelogenous leukemia cell line

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 $\alpha 5$ subunit, also known as CD49e and VLA-5 α subunit, forms a heterodimer with the Integrin $\beta 1$ subunit (CD29). Integrin $\alpha 5\beta 1$ is a receptor for fibronectin and neural adhesion molecule L1.