

DESCRIPTION

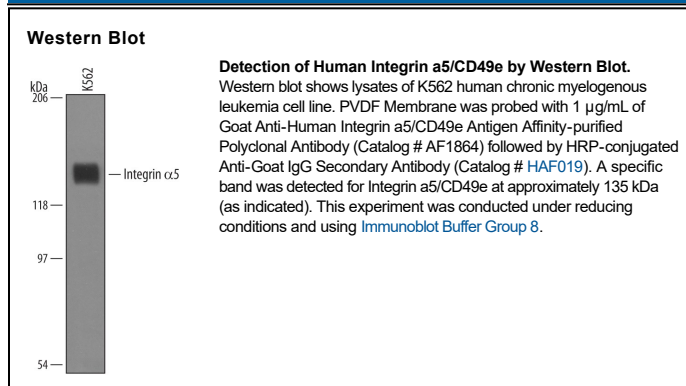
Species Reactivity	Human
Specificity	Detects human Integrin $\alpha 5/CD49e$ in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 50% cross-reactivity with recombinant mouse (rm) Integrin $\alpha 5$ and less than 5% cross-reactivity with recombinant human Integrin αM , 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
Endotoxin Level	<0.10 EU per 1 μ g of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μ m filtered solution in PBS.

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	1 μ g/mL	See Below
Flow Cytometry	2.5 μ g/ 10^6 cells	K562 human chronic myelogenous leukemia cell line
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	
Adhesion Blockade	The adhesion of K562 human chronic myelogenous leukemia cells (5×10^4 cells/well) to immobilized bovine Fibronectin (Catalog # 1030-FN, 10 μ g/mL, 100 μ L/well) was maximally inhibited (80-100%) by 20 μ g/mL of the antibody.	

DATA



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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 $^{\circ}$ C
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 $^{\circ}$C as supplied. • 1 month, 2 to 8 $^{\circ}$C under sterile conditions after reconstitution. • 6 months, -20 to -70 $^{\circ}$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.