

Human Integrin α5/CD49e Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF1864

DESCRIPTION			
Species Reactivity	Human Detects human Integrin α5/CD49e in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 50% cross- reactivity with recombinant mouse (rm) Integrin α5 and less than 5% cross-reactivity with recombinant human Integrin αM, rmIntegrin α2, rmIntegrin α4, and rmIntegrin αE is observed.		
Specificity			
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Integrin α5/CD49e Phe42-Tyr995 Accession # P08648		
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.		
Formulation	Lyophilized from a 0.2 μm 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 μm filtered solution in PBS.		

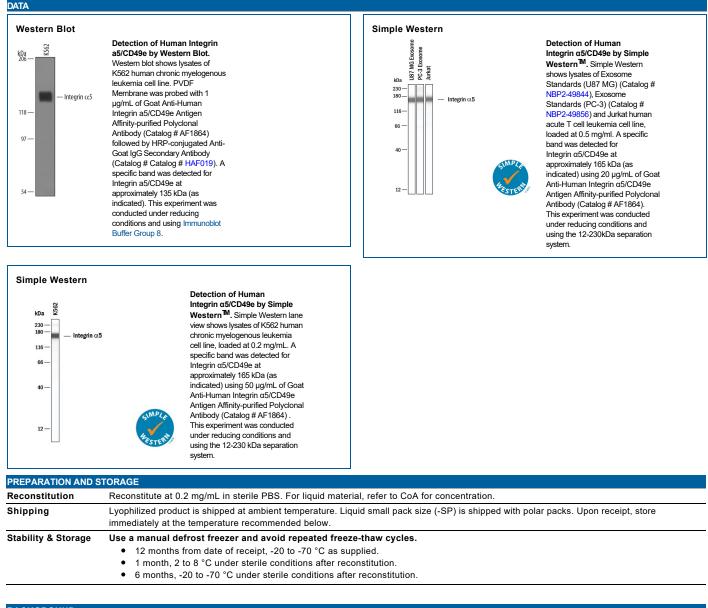
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.			
	Recommended Concentration	Sample	
Western Blot	1 µg/mL	See Below	
Flow Cytometry	2.5 µg/10 ⁶ cells	K562 human chronic myelogenous leukemia cell line	
Simple Western	20 µg/mL	Exosome Standard (U87 MG) (Catalog # NBP2- 49844), Exosome Standard (PC-3) (Catalog # NBP2- 49856), Jurkat human acute T cell leukemia cell line, and 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 x 10^4 cells/well) to immobilized bovine Fibronectin (Catalog # 1030-FN, 10 µg/mL, 100 µL/well) was maximally inhibited (80-100%) by 20 µg/mL of the antibody.		

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BACKGROUND

The α5 subunit, also known as CD49e and VLA-5α subunit, forms a heterodimer with the Integrin β1 subunit (CD29). Integrin α5β1 is a receptor for fibronectin and neural adhesion molecule L1.

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