

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin β 2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 5% cross-reactivity with recombinant human (rh) Integrin β 1, rhIntegrin β 3, and recombinant mouse Integrin β 6 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Integrin β 2 Gln23-Asn700 Accession # AAA59490
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.

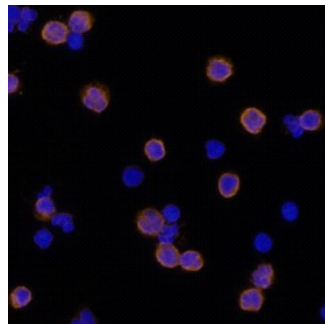
APPLICATIONS

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	0.1 μ g/mL	Recombinant Human Integrin α X β 2 (Catalog # 5755-AX)
Flow Cytometry	2.5 μ g/10 ⁶ cells	Human peripheral blood mononuclear cells
Immunocytochemistry	5-15 μ g/mL	See Below
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 HSB2 human peripheral blood acute lymphoblastic leukemia cells (5 x 10 ⁴ cells/well) to immobilized Recombinant Human ICAM-1/CD54 Fc Chimera (Catalog # 720-IC, 12.5 μ g/mL, 100 μ L/well) was maximally inhibited (80-100%) by 20 μ g/mL of the antibody.	

DATA

Immunocytochemistry



Integrin β 2/CD18 in Human PBMCs.
Integrin β 2/CD18 was detected in immersion fixed human peripheral blood mononuclear cells (PBMCs) using 10 μ g/mL Goat Anti-Human Integrin β 2/CD18 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1730) for 3 hours at room temperature. Cells were stained with the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # NL001) and counterstained with DAPI (blue). View our protocol for [Fluorescent ICC Staining of Non-adherent Cells](#).

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 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <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

Integrin β 2 is a transmembrane protein expressed by all leukocytes. It occurs in heterodimeric complexes with Integrin subunits α D, α L (complex also known as LFA-1), α M (Mac-1), or α X (CR-4). These complexes are important in adhesion and leukocyte trafficking.