

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin $\beta 3$ /CD61 in direct ELISAs and Western blots. In direct ELISAs, approximately 5% cross-reactivity with recombinant human (rh) Integrin $\beta 2$ and recombinant mouse (rm) Integrin $\beta 6$ is observed and less than 1% cross-reactivity with rhIntegrin $\beta 1$ and rmIntegrin $\beta 4$ is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Integrin $\beta 3$ /CD61 Gly27-Asp718 Accession # P05106
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.

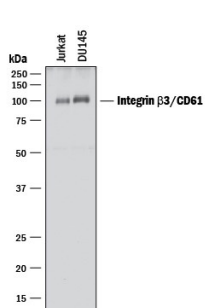
APPLICATIONS

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	0.25 μ g/10 ⁶ cells	Human peripheral blood mononuclear cells
Simple Western	20 μ g/mL	Exosome Standards (HT-29) (Catalog # NBP3-11685) and U-87 MG human glioblastoma/astrocytoma cell line
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

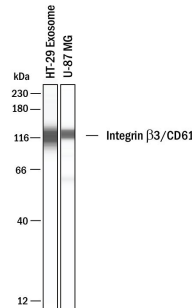
DATA

Western Blot



Detection of Human Integrin $\beta 3$ /CD61 by Western Blot. Western blot shows lysates of Jurkat human acute T cell leukemia cell line and DU145 human prostate carcinoma cell line. PVDF membrane was probed with 1 μ g/mL of Goat Anti-Human Integrin $\beta 3$ /CD61 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2266) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # [HAF017](#)). A specific band was detected for Integrin $\beta 3$ /CD61 at approximately 100 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Simple Western



Detection of Human Integrin $\beta 3$ /CD61 by Simple Western™. Simple Western shows lysates of Exosome Standards (HT-29) (Catalog # [NBP3-11685](#)) and U-87 MG human glioblastoma/astrocytoma cell line, loaded at 0.5 mg/mL. A specific band was detected for Integrin $\beta 3$ /CD61 at approximately 116 kDa (as indicated) using 20 μ g/mL of Goat Anti-Human Integrin $\beta 3$ /CD61 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2266). This experiment was conducted under reducing conditions and using the 12-230kDa separation system.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS. For liquid material, refer to CoA for concentration.
Shipping	Lyophilized product is shipped at ambient temperature. Liquid small pack size (-SP) is shipped with polar packs. Upon receipt, store immediately at the temperature recommended below.
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 $\beta 3$, also called CD61, associates with the Integrin α IIb or α V subunits to form heterodimeric receptors for collagens, fibronectin, vitronectin, fibrinogen, Von willebrand factor or thrombospondin. α IIb/ $\beta 3$, also known as GPIIb/IIIa (Glycoprotein IIb-IIIa), is expressed on platelets. α V/ $\beta 3$, also known as vitronectin receptor, is expressed on endothelial cells, some B cells, platelets and monocytes.