

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 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 $\beta 3$ /CD61
Flow Cytometry	2.5 μ g/ 10^6 cells	Human peripheral blood mononuclear 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 $\beta 3$, also called CD61, associates with the Integrin $\alpha 1b$ or αV subunits to form heterodimeric receptors for collagens, fibronectin, vitronectin, fibrinogen, Von willebrand factor or thrombospondin. $\alpha 1b/\beta 3$, also known as GPIIb IIIa (Glycoprotein IIb-IIIa), is expressed on platelets. $\alpha V/\beta 3$, also known as vitronectin receptor, is expressed on endothelial cells, some B cells, platelets and monocytes.