

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Integrin α 2b/CD41 in direct ELISAs and Western blots. In direct ELISAs and Western blots, this antibody does not cross-react with recombinant mouse Integrin α 3, -4, -5, -8, -9, or -11.
Source	Monoclonal Rat IgG _{2A} Clone # 386627
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse Integrin α 2b/CD41 Leu32-Arg988 Accession # NP_034705
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	Recombinant Mouse Integrin α 2b/CD41

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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	<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 °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 α 2b (ITGA2b) also known as CD41 and GPIIb, is a transmembrane glycoprotein that is expressed by megakaryocytes and platelets. It is cleaved into two disulfide-linked chains (114 kDa and 22 kDa) during transit through the Golgi. Integrin α 2b associates with Integrin β 3 to form complexes that interact with fibrinogen, von Willebrand factor, fibronectin, and vitronectin. Integrin α 2b is required for platelet aggregation, and defects lead to disorders of coagulation. Within the extracellular domain, mouse Integrin α 2b shares 81% and 89% amino acid sequence identity with human and rat Integrin α 2b, respectively.