

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Integrin α2b/CD41 in direct ELISAs and Western blots. In direct ELISAs and Western blots, this antibody does not cross-react with recombinant mouse Integrin α3, -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 α2b/CD41 Leu32-Arg988 Accession # NP_034705
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Integrin α2b (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 α2b associates with Integrin β3 to form complexes that interact with fibrinogen, von Willebrand factor, fibronectin, and vitronectin. Integrin α2b is required for platelet aggregation, and defects lead to disorders of coagulation. Within the extracellular domain, mouse Integrin α2b shares 81% and 89% amino acid sequence identity with human and rat Integrin α2b, respectively.

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