Mouse Integrin α2b/CD41 Alexa Fluor® 405-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 386629

Catalog Number: FAB41181V

100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Integrin α2b/CD41 in direct ELISAs.
Source	Monoclonal Rat IgG_{2A} Clone # 386629
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 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	Mouse platelets

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 alpha 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. ITGA2b associates with integrin β3 to form complexes that interact with fibrinogen, von Willebrand factor, fibronectin, and vitronectin. ITGA2b is required for platelet aggregation, and defects lead to disorders of coagulation. Within the extracellular domain, mouse ITGA2b shares 81% and 89% amino acid sequence identity with human and rat ITGA2b, respectively.

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