9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KD-Validated Anti-Integrin β1/CD29 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG2300

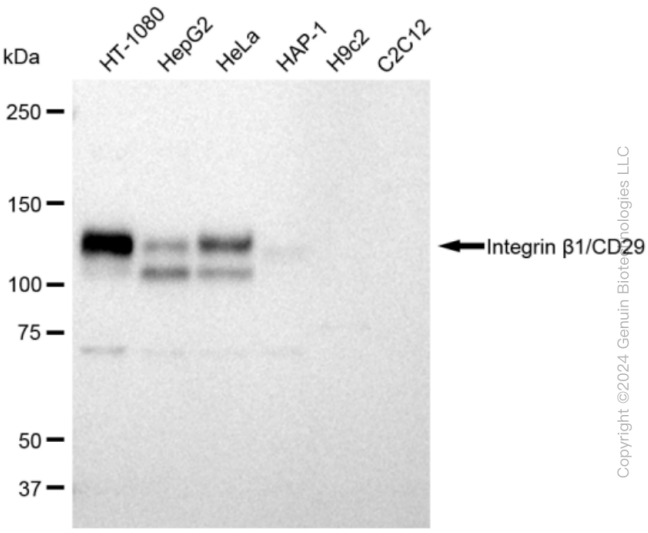
Product Overview

Name	KD-Validated Anti-Integrin β1/CD29 Rabbit Monoclonal Antibody
Accession(Primary)	P05556
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human integrin beta-1/CD29
Species Reactivity	Human
Calculated MW	Predicted, 88 kDa , observed, 115/135 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Immunocytochemical (IC): 1:1,000 Flow Cytometry (FCM): 1:2,000

Target information (P05556)

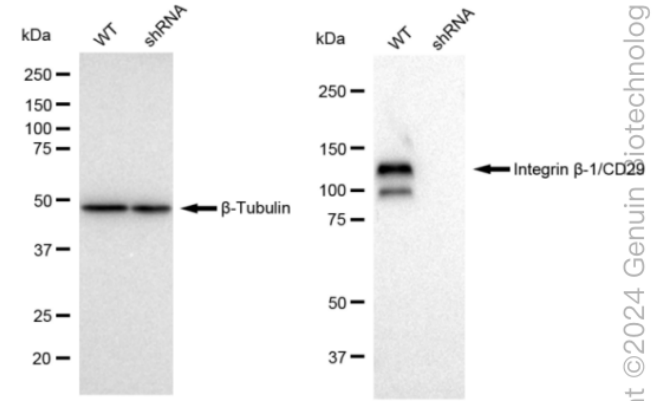
Gene Name	ITGB1
About Gene Symbol	ITGB1 (Integrin Subunit Beta 1) is an integrin cell adhesion receptor involved in adaptive immunity. It is an important research target in cell signaling, drug discovery, and cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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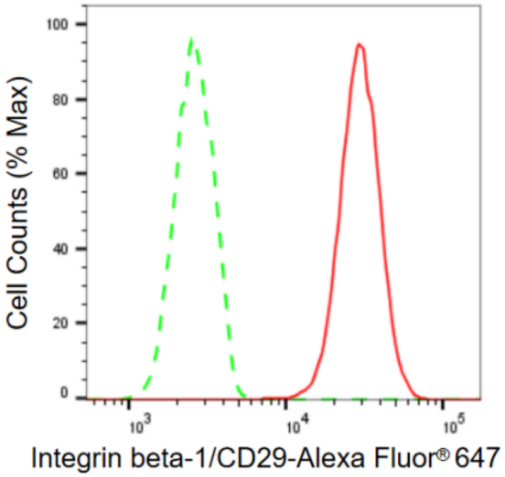
Western blotting analysis using anti-Integrin β 1/CD29 antibody (Cat#ABG2300). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Integrin β1/CD29 antibody (Cat#ABG2300, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.

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Western blotting analysis using anti-Integrin beta-1/CD29 antibody (Cat#ABG2300). Integrin beta-1/CD29 expression in wild type (WT) and Integrin beta-1/CD29 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Integrin beta-1/CD29 antibody (Cat#ABG2300,1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.

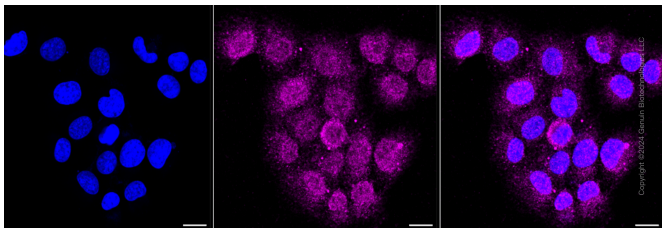
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Flow cytometric analysis of Integrin beta-1/CD29 expression in HT-1080 cells using Integrin beta-1/CD29 antibody (Cat#ABG2300,1:2,000). Green, isotype control; red, Integrin beta-1/CD29.

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Immunocytochemical staining of HT-1080 cells with Integrin beta-1/CD29 antibody (Cat#ABG2300, 1:1,000). Nuclei were stained blue with DAPI; Integrin beta-1/CD29 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.