

Anti-Integrin β 1 (Extracellular region) Antibody

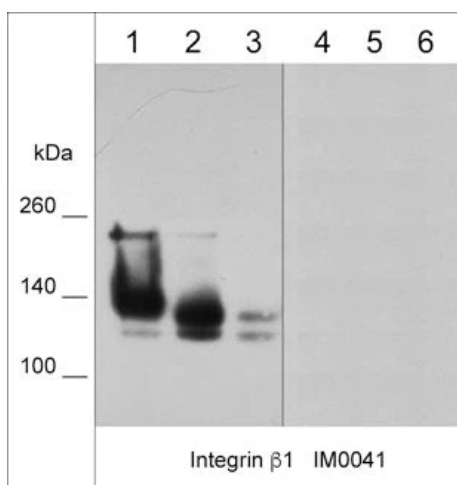


Product Details

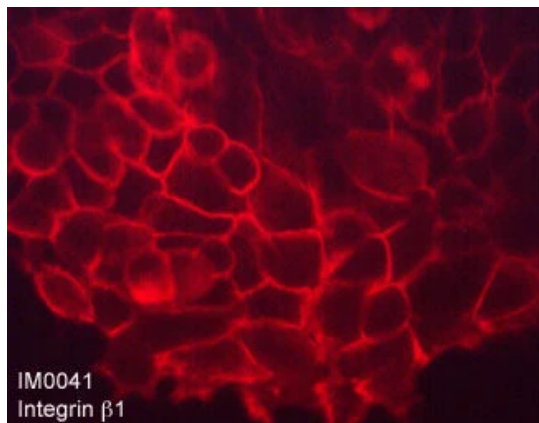
Available Variants	100 μ L (SKU:IM0041)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M004
Gene Name	ITGB1
Host Species	Mouse
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, ICC, IP, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100 IP: 1:100
Species Reactivity	Human
Immunogen	Clone M004 was generated from a proprietary antigen related to the extracellular region of human integrin β 1 in complex with integrin α expressed in the A431 epidermoid carcinoma cell line.
Specificity	Clone M004 detects 120-150 kDa* bands corresponding to Integrin β 1 on SDS-PAGE immunoblots of native human A431, A549, MDA-MB-231, and LNCaP cell lysates. The antibody also detects native recombinant human Integrin α 1/ β 1, α 2/ β 1, and α 3/ β 1 complexes, but does not detect recombinant human Integrin α 6/ β 4 or α V/ β 3 complexes. The antibody does not detect the denatured form of Integrin β 1. Clone M004 can be used in western blot, immunocytochemical labeling, ELISA, and immunoprecipitation, as well for detecting live, unfixed cells.

Molecular Weight	120-150
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	<u>P05556</u>
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

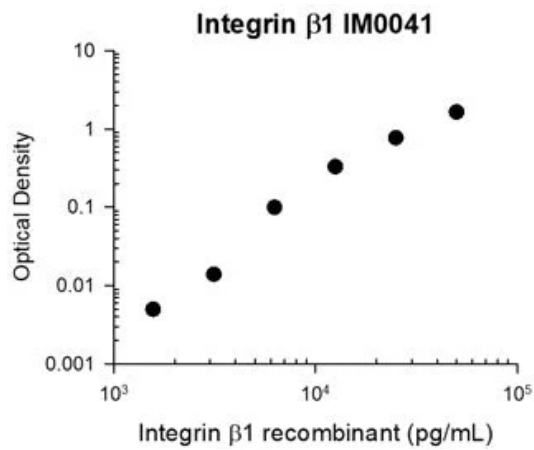
Product Images



Western blot analysis of native (lanes 1-3) and denatured (lanes 4-6) cell lysates from human A431 (lane 1 & 4), A549 (lane 2 & 5), and LNCaP (lane 3 & 6). The blots were probed with mouse monoclonal anti-Integrin β1 (IM0041) at 1:1000 dilution.



Immunocytochemical labeling of Integrin β1 in paraformaldehyde fixed human A431 cells. The cells were labeled with mouse monoclonal anti-Integrin β1 (clone M004). The antibody was detected using goat anti-mouse DyLight® 594.



Representative Standard Curve using mouse monoclonal anti-integrin β 1 (IM0041) for ELISA capture of human recombinant integrin β 1 extracellular region. Capture was detected by mouse monoclonal anti-integrin β 1 (IM0411) followed by appropriate secondary antibody conjugated to HRP.

Product Page URL: www.antibodiesinc.com/products/anti-integrin-b1-extracellular-region-antibody-im0041



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