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PRODUCT DATASHEET

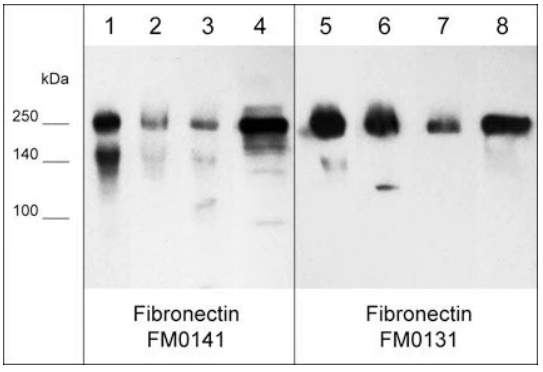
Anti-Fibronectin (Cell/Heparin2 Binding region) Antibody

Product Details

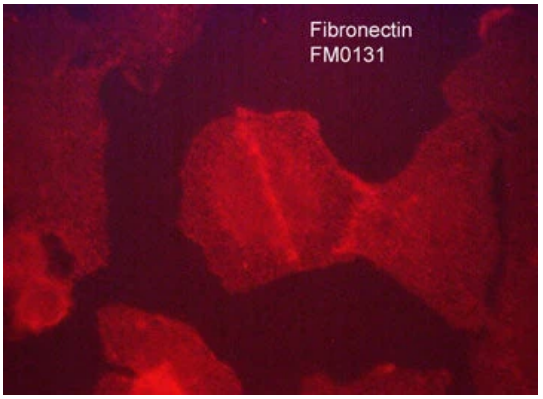
Available Variants	100 µL (SKU:FM0131)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M013
Gene Name	FN1
Host Species	Mouse
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, IP, WB
Dilution Ranges	WB: 1:1000 ICC: 1:50 IP: 1:50
Species Reactivity	Human
Immunogen	Clone (M013) was generated from a proprietary antigen related to native human fibronectin from the A549 lung carcinoma cell line.
Specificity	Clone M013 mouse monoclonal antibody detects a 250 kDa* protein on SDS-PAGE immunoblots of native human A549, MeWo, and MDA-MB-231 cells, as well as human plasma fibronectin. The antibody does not detect the denatured form of fibronectin. The antibody also works for immunoprecipitation, immunohistochemistry, and immunocytochemistry, as well as binds fibronectin in live cells and unfixed extracellular matrix.
Molecular Weight	250

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	P02751 UniProt Summary: Fibronectins bind cell surfaces and various compounds including collagen, fibrin, heparin, DNA, and actin. Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell shape. Involved in osteoblast compaction through the fibronectin fibrillogenesis cell-mediated matrix assembly process, essential for osteoblast mineralization. Participates in the regulation of type I collagen deposition by osteoblasts. Acts as a ligand for the LILRB4 receptor, inhibiting FCGR1A/CD64-mediated monocyte activation.
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.
NCBI Gene ID	2335

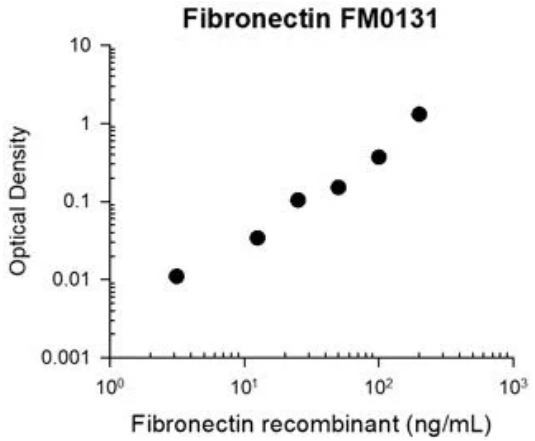
Product Images



Western blot image of native human cell lysates: A549 (lanes 1 & 5), MeWo (lanes 2 & 6), and MDA-MB-231 (lanes 3 & 7), as well as human plasma fibronectin (lanes 4 & 8). The blot was probed with mouse monoclonal antibodies anti-fibronectin FM0141 (lanes 1-4) or anti-fibronectin FM0131 (lanes 5-8) at 1:1000.



Immunocytochemical labeling of fibronectin in paraformaldehyde fixed human A549 cells. The cells were labeled with mouse monoclonal anti-fibronectin (clone M013). The antibody was detected using goat anti-mouse Ig DyLight® 594.



Representative Standard Curve using mouse monoclonal anti-fibronectin (FM0131) for ELISA capture of human recombinant fibronectin protein. Capture was detected by using anti-fibronectin (FM0221) biotin conjugate followed by streptavidin conjugated to HRP.