www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-Fibronectin Antibody

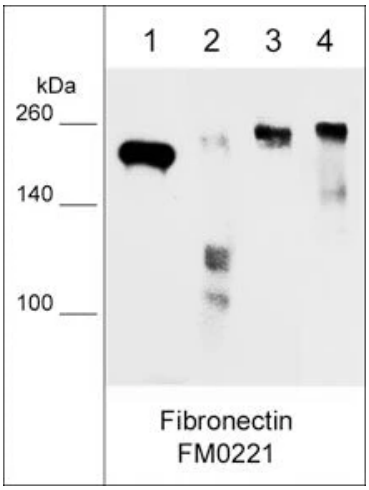
phosphosolutions ANTIBODIES THAT WORK

Product Details

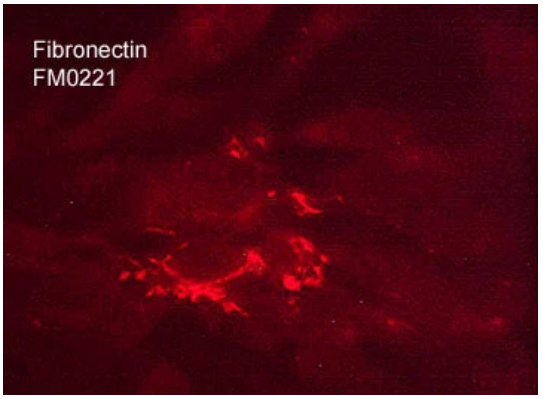
Available Variants	100 µL (SKU:FM0221)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M022
Gene Name	FN1
Host Species	Mouse
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, IP, WB
Dilution Ranges	WB: 1:500 ICC: 1:100 IP: 1:100
Species Reactivity	Human
Immunogen	Clone (M022) was generated from a proprietary antigen related to native human fibronectin from the MeWo melanoma cell line.
Specificity	Clone M022 mouse monoclonal antibody detects a 250 kDa* protein on SDS-PAGE immunoblots of native or denatured human A549, MeWo, and LNCaP cells, as well as human plasma 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

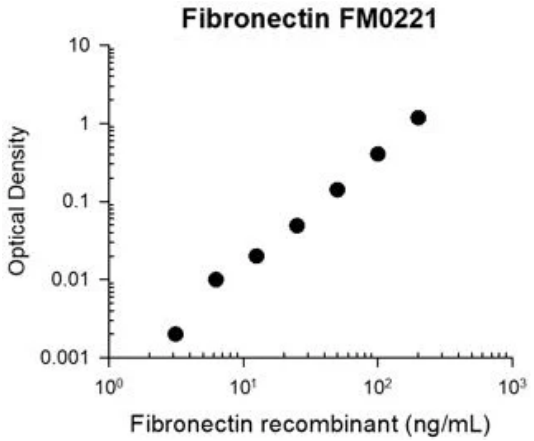
Product Images



Western blot image of human plasma purified fibronectin (lane 1), human breast tissue (lane 2), human A549 cells (lane 3), and LNCaP cells (lane 4). The blot was probed with mouse monoclonal anti-fibronectin FM0221 at 1:500.



Immunocytochemical labeling of fibronectin in paraformaldehyde fixed human MeWo cells. The cells were labeled with mouse monoclonal anti-fibronectin (clone M022). The antibody was detected using goat anti-mouse Ig DyLight® 594.



Representative Standard Curve using mouse monoclonal anti-fibronectin (FM0221) for ELISA capture of human recombinant fibronectin protein with His-tag. Capture was detected by using an anti-His-tag antibody followed by appropriate secondary antibody conjugated to HRP.