

Mouse anti-Human Fibronectin Monoclonal Antibody | anti-FN1 antibody

Fibronectin (Cell/Heparin2 Binding region) Antibody

CATALOG # AAA71637	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunocytochemistry, Immunoprecipitation, ELISA, Western Blot
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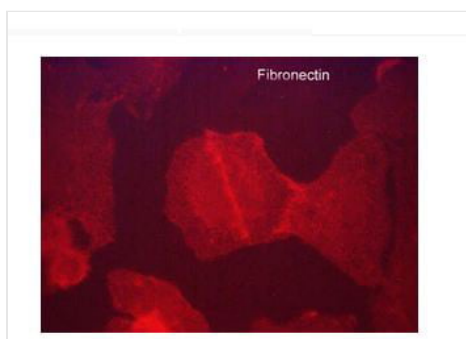
PRODUCT SYNONYMS

Fibronectin; Monoclonal Antibody; Fibronectin (Cell/Heparin2 Binding region) Antibody; Fibronectin (Cell/Heparin2 Binding region); Fibronectin M013; anti-FN1 antibody

PRODUCT SPECIFICATIONS

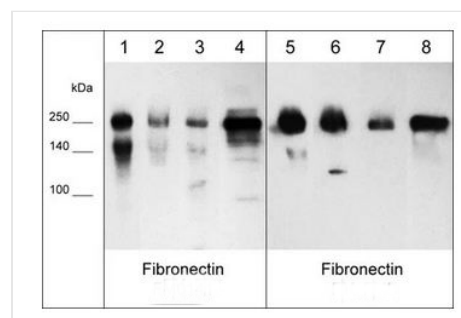
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M013
Specificity	Clone M013 mouse monoclonal antibody detects a 250kDa* protein on SDS-PAGE immunoblots of native human A549, MeWo, and MDA-MB-231 cells, as well as human plasma fibronectin. The antibody does not detect the denatured form of fibronectin. The antibody also works for immunoprecipitation, immunohistochemistry, and immunocytochemistry, as well as binds fibronectin in live cells and unfixed extracellular matrix.
Purity/Purification	Protein G chromatography
Form/Format	Mouse monoclonal antibody purified with protein G chromatography is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-FN1 antibody	ICC (Immunocytochemistry), IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Clone (M013) was generated from a proprietary antigen related to native human fibronectin from the A549 lung carcinoma cell line.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

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.



WB (Western Blot)

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.

ADDITIONAL INFORMATION

Related Product Information for anti-FN1 antibody	In the extracellular matrix, fibronectin provides essential connections to cells through interaction with integrins and other receptors that regulate cell adhesion, migration, and differentiation. Fibronectin is secreted as a large dimeric glycoprotein with subunits that range in size from 230kDa to 270kDa. Fibronectin is composed of three different types of modules termed type I, II, and III repeats, as well as two fibrin binding and two heparin binding domains, a collagen interaction region and cell attachment domain. The diverse set of binding domains provides fibronectin with the ability to interact simultaneously with other fibronectin molecules, other ECM components (e.g., collagens and proteoglycans), cell surface receptors, and extracellular enzymes. Plasma fibronectin (soluble dimeric form) is secreted by hepatocytes, while cellular fibronectin (dimeric or cross-linked multimeric forms), made by fibroblasts, epithelial and other cell types, is deposited as fibrils in the extracellular matrix. Fibronectin fibrillogenesis has important functions during tissue development, and during pathological progression of tissues and wound healing.
References	Zollinger AJ & Smith ML (2017) Matrix Biol. 60-61:27. Wang Y & Ni H. (2016) Cell Mol Life Sci. 73(17):3265. Schwarzbauer J & DeSimone D (2011) CSH Persp Biol. 1;3(7).

NCBI AND UNIPROT INFORMATION

NCBI GI #	16933542
NCBI GeneID	2335
NCBI Accession #	NP_002017.1
NCBI GenBank Nucleotide #	NM_002026.2
UniProt Accession #	P02751; O95609; O95610; Q14312; Q14325; Q14326; Q17RV7; Q585T2; Q59EH1; Q60FE4; Q68DP8; Q68DP9
Molecular Weight	262,625 Da
NCBI Official Full Name	fibronectin isoform 3 preproprotein
NCBI Official Synonym Full Names	fibronectin 1
NCBI Official Symbol	FN1
NCBI Official Synonym Symbols	FN; CIG; FNZ; MSF; ED-B; FINC; GFND; LETS; GFND2
NCBI Protein Information	fibronectin; cold-insoluble globulin; migration-stimulating factor
UniProt Protein Name	Fibronectin
UniProt Gene Name	FN1
UniProt Synonym Gene Names	FN; FN; CIG
UniProt Entry Name	FINC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.