

Immunotag™ Fibronectin Monoclonal Antibody(M9)

Antibody Specification	
Catalog No.	ITM3137
Product Description	Immunotag™ Fibronectin Monoclonal Antibody(M9)
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Fibronectin (M9)
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,IF,
Recommended Dilution	WB: 1:1000-2000 IF 1:200 IHC 1:50-300
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Mouse
Immunogen	Synthetic Peptide of Fibronectin
Specificity	The antibody detects endogenous Fibronectin protein.
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen
Form	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Gene Name	FN1
Accession No.	P02751 P11276 P04937
Alternate Names	FN1; FN; Fibronectin; FN; Cold-insoluble globulin; CIG

Antibody Specification

Description	<p>fibronectin 1(FN1) Homo sapiens This gene encodes fibronectin, a glycoprotein present in a soluble dimeric form in plasma, and in a dimeric or multimeric form at the cell surface and in extracellular matrix. The encoded preproprotein is proteolytically processed to generate the mature protein. Fibronectin is involved in cell adhesion and migration processes including embryogenesis, wound healing, blood coagulation, host defense, and metastasis. The gene has three regions subject to alternative splicing, with the potential to produce 20 different transcript variants, at least one of which encodes an isoform that undergoes proteolytic processing. The full-length nature of some variants has not been determined. [provided by RefSeq, Jan 2016],</p>
Cell Pathway/ Category	Focal adhesion,ECM-receptor interaction,Regulates Actin and Cytoskeleton,Pathways in cancer,Small cell lung cancer,
Protein Expression	Amygdala,Aortic endothelium,Bone marrow,Brain,Cartilage,Cerebellum,Cervix,Colon endothel,En
Subcellular Localization	extracellular region,fibrinogen complex,proteinaceous extracellular matrix,basal lamina,extracellular space,endoplasmic reticulum-Golgi intermediate compartment,apical plasma membrane,extracellular matrix,platelet alpha granule lumen,extracellular exosome,GO
Protein Function	<p>Additional isoforms seem to exist,developmental stage:Ugl-Y1, Ugl-Y2 and Ugl-Y3 are present in the urine from 0 to 17 years of age.,disease:Defects in FN1 are the cause of glomerulopathy with fibronectin deposits type 2 (GFND2) [MIM:601894]; also known as familial glomerular nephritis with fibronectin deposits or fibronectin glomerulopathy. GFND is a genetically heterogeneous autosomal dominant disorder characterized clinically by proteinuria, microscopic hematuria, and hypertension that leads to end-stage renal failure in the second to fifth decade of life.,function: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. Interaction with TNR mediates inhibition of cell adhesion and neurite outgrowth.,online information:Fibronectin entry,PTM:Forms covalent cross-links mediated by a transglutaminase, such as F13A or TGM2, between a glutamine and the epsilon-amino group of a lysine residue, forming homopolymers and heteropolymers (e.g. fibrinogen-fibronectin, collagen-fibronectin heteropolymers).,PTM:It is not known whether both or only one of Thr-2064 and Thr-2065 are/is glycosylated.,PTM:Sulfated.,similarity:Contains 12 fibronectin type-I domains.,similarity:Contains 16 fibronectin type-III domains.,similarity:Contains 2 fibronectin type-II domains.,subunit:Mostly heterodimers or multimers of alternatively spliced variants, connected by 2 disulfide bonds near the carboxyl ends; to a lesser extent homodimers. Interacts with FBLN1, AMBP, TNR, LGALS3BP and COL13A1. Interacts with FBLN7.,tissue specificity:Plasma FN (soluble dimeric form) is secreted by hepatocytes. Cellular FN (dimeric or cross-linked multimeric forms), made by fibroblasts, epithelial and other cell types, is deposited as fibrils in the extracellular matrix. Ugl-Y1, Ugl-Y2 and Ugl-Y3 are found in urine.,</p>
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.