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PRODUCT DATASHEET

Anti-Fibronectin Antibody

Product Details

Available Variants	100 uL (SKU:CSI 005-32-010) 400 uL (SKU:CSI 005-32-04) 1000 uL (SKU:CSI 005-32-1)
Conjugate	Unconjugated
Isotype	IgG1/k
Clone	A32
Gene Name	FN1
Host Species	Mouse
Concentration	1 mg/mL ±15%
Format	Protein A or Protein G purified
Physical State	Liquid
Buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide
Production Notes	BSA free
Applications	ELISA, IHC, IP, WB
Dilution Ranges	WB: 1:100
Species Reactivity	Bovine, Human
Immunogen	Bovine corneal endothelial cells
Specificity	CSI 005-32 is highly specific for fibronectin. There is no evidence for cross-reactivity with other connective tissue proteins (vitronectin, elastin, collagen, laminin). The antibody inhibits cell adhesion to fibronectin mediated by the heparin-binding domain. Epitope is located in the 40kD Hep II heparin-binding domain.
Molecular Weight	440 kDa glycoprotein dimer, with monomers running at 260 on SDS-PAGE
Storage	2-8°C without exposure to light

UniProt ID	P07589 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 (By similarity). 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 (By similarity). {ECO:0000250|UniProtKB:P02751, ECO:0000250|UniProtKB:P11276}.; [Anastellin]: Binds fibronectin and induces fibril formation. This fibronectin polymer, named superfibronectin, exhibits enhanced adhesive properties. Both anastellin and superfibronectin inhibit tumor growth, angiogenesis and metastasis. Anastellin activates p38 MAPK and inhibits lysophospholipid signaling. {ECO:0000250|UniProtKB:P02751}.; Secreted by contracting muscle, induces liver autophagy, a degradative pathway for nutrient mobilization and damage removal, and systemic insulin sensitization via hepatic ITGA5:ITGB1 integrin receptor signaling. {ECO:0000250|UniProtKB:P11276}.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

Product Images



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