

Catalog No. LF-MA0142

MONOCLONAL ANTIBODY



Anti-Fibronectin (23C9)

Background : Fibronectin (FN) exists in two main forms: 1) as a soluble glycoprotein in blood plasma (plasma FN), and 2) as an insoluble glycoprotein in tissue extracellular matrices (cellular FN). Many different cell types synthesize fibronectin and secrete it as a disulfide-bonded dimer composed of 230–270 kDa subunits. FN is one of the largest multi-domain proteins that interact with a variety of macromolecules like heparin, collagen /gelatin, and fibrin. FN is involved in many cellular processes, including tissue repair, embryogenesis, blood clotting, and cell migration/ adhesion and so can be used as a therapeutic agent for wound healing. In addition, its age-dependent increase in plasma and tissues may be accompanied in pathological states, especially in tumor growth, by its proteolytic breakdown.

Immunogen : Fibronectin protein purified from Human plasma

Host : Mouse

Clone number : 23C9

Isotype : IgG2b, k

Size : 100 μ l

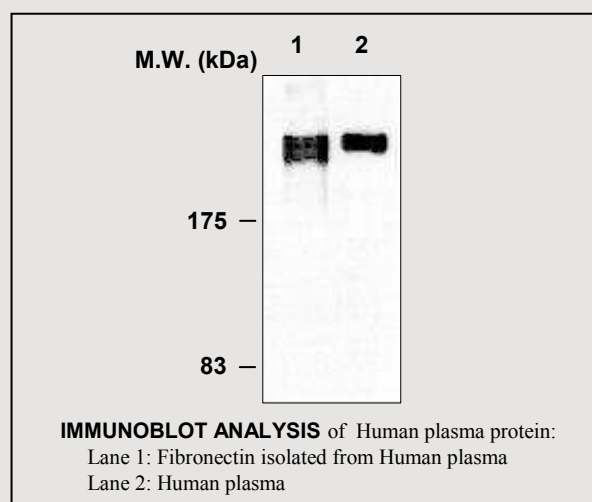
Composition: PBS containing 50% glycerol

Positive control : Human plasma

Storage : Store for 1 year at -20°C from date of shipment

Species cross reactivity

Human +	Mouse NT	Rat NT
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Applications :

Western blotting(1:2,000)

Immunoprecipitation (2 μ l/400 μ l Human plasma)

Background Reference :

1) Mao, Y. and Schwarzbauer, J. E. (2005) *Matrix Biology* 24(6) 389-399

2) Carsons, S. E. (1989). *Fibronectin in Health and Disease*. Florida: CRC Press, Inc

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