Human Fibronectin antoantibody (FN-Ab) ELISA Kit

Catalog No: #EK11782

Package Size: #EK11782-1 48T #EK11782-2 96T

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Description

Product Name	Human Fibronectin antoantibody (FN-Ab) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:1.56-100 ng/mL

Sensitivity:0.69 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:Competitive ELISATest principle:This assay employs the competitive enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to FN-Ab. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated FN-Ab and incubated. The competitive inhibition reaction is launched between with HRP labeled FN-Ab and unlabeled FN-Ab with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of FN-Ab in the sample. The color development is stopped and the intensity of the color is measured.Product Overview:Fibronectin (Fn) is a large modular glycoprotein that is found as a polymeric fibrillar network in the extracellular matirx (ECM) and as soluble disulfide-linked dimeric protomers in plasma and other body fluids.The protein subunit is made up of three types of homologous structural repeats termed Fn type I, type II, and type III repeats. Multiple isoforms of the protein formed by alternative splicing at numerous sites, resulting in insertions of extra type III domains (EDA and ECB) or parts of the variable type III connecting segment (V/IIICS), have been identified. Fibronectin is a ligand for fibrin, heparin, chondroitin sulfate, collagen/gelatin, and many integrin receptors. It is involved in multiple cellular processes including cell adhesion/migration, blood clotting, morphogenesis, tissue repair, and cell signaling.

Note: This product is for in vitro research use only