

Human Nexilin (NEXN) ELISA Kit

Catalog No: #EK11204



Package Size: #EK11204-1 48T #EK11204-2 96T

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Description

Product Name	Human Nexilin (NEXN) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CMD1CC; MGC104234; MGC138865; MGC138866; NELIN; nexilin; NELIN
Accession No.	Q0ZGT2
Uniprot	Q0ZGT2
GeneID	91624;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:15.6-1000 pg/mL

Sensitivity:6.1 pg/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:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate NEXN in samples. An antibody specific for NEXN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyNEXN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NEXN is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NEXN bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The name nexilin came from the Latin word nexilis, meaning 'bound together.' Full-length b-nexilin contains an N-terminal F-actin-binding domain (ABD), followed by a spacer, a coiled-coil region, a second ABD, and a long C-terminal tail. In comparison, s-nexilin lacks the N-terminal ABD and has an insertion in the C-terminal tail. Immunofluorescence microscopy revealed that both b-nexilin and s-nexilin colocalized with F-actin at focal contacts at the ends of stress fibers.

The nexilins did not localize to cell-cell junctions. Western blot analysis detected nexilin proteins with apparent molecular masses above 90 kD in rat brain, testis, and spleen and in cultured rodent fibroblasts. Neither protein was detected in liver, kidney, or epithelial cell lines.

Note: This product is for in vitro research use only