

Human Internexin Neuronal Intermediate Filament Protein Alpha (INa) ELISA Kit | INa elisa kit

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CATALOG # AAA187388	REACTIVITY Human
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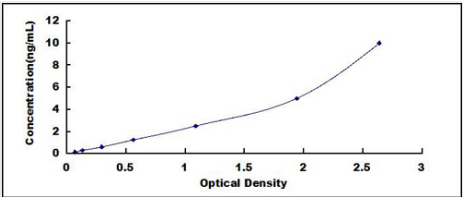
PRODUCT SYNONYMS

Internexin Neuronal Intermediate Filament Protein Alpha (INa); Human Internexin Neuronal Intermediate Filament Protein Alpha (INa) ELISA Kit; NEF5; NF-66; 66 kDa neurofilament protein; Neurofilament-66; Neurofilament 5; INa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Internexin Neuronal Intermediate Filament Protein Alpha (INa). No significant cross-reactivity or interference between Internexin Neuronal Intermediate Filament Protein Alpha (INa) and analogues was observed.
Sequence Length	499
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.058ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Internexin Neuronal Intermediate Filament Protein Alpha (INa) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Internexin Neuronal Intermediate Filament Protein Alpha (INa) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for INA elisa kit

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Internexin Neuronal Intermediate Filament Protein Alpha (INa). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Internexin Neuronal Intermediate Filament Protein Alpha (INa). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Internexin Neuronal Intermediate Filament Protein Alpha (INa), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of Internexin Neuronal Intermediate Filament Protein Alpha (INa) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119570039
NCBI GeneID	9118
UniProt Accession #	Q16352; Q9BRC5; B1AQK0
Molecular Weight	55,391 Da
NCBI Official Full Name	internexin neuronal intermediate filament protein, alpha, isoform CRA_b
NCBI Official Synonym Full Names	internexin neuronal intermediate filament protein alpha
NCBI Official Symbol	INA
NCBI Official Synonym Symbols	NEF5; NF-66; TXBP-1
NCBI Protein Information	alpha-internexin
UniProt Protein Name	Alpha-internexin
UniProt Gene Name	INA
UniProt Synonym Gene Names	NEF5; Alpha-Inx; NF-66; Neurofilament-66

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/internexin-neuronal-intermediate-filament-protein-alpha-ina/187388>