

Human Neurogranin (NRGN) ELISA Kit | NRGN elisa kit

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CATALOG #
AAA135872

REACTIVITY
Human

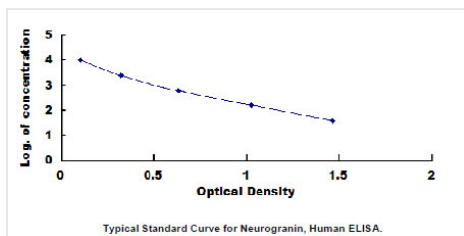
PRODUCT SYNONYMS

Neurogranin (NRGN); Human Neurogranin (NRGN) ELISA Kit; Ng; NEUG; Protein Kinase C Substrate RC3; NRGN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NAADP. No significant cross-reactivity or interference between NAADP and analogues was observed.
Sequence Length	78
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	39-10,000pg/mL
Sensitivity	17pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NAADP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NAADP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 NRGN elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of NAADP in serum, plasma or other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to NAADP has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled NAADP and unlabeled NAADP (Standards or samples) with the pre-coated antibody specific to NAADP. After incubation the unbound conjugate is washed off. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of NAADP in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of NAADP in the sample.
Product Categories/Family for NRGN elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453800
NCBI GeneID	4900
NCBI Accession #	NP_006167.1
NCBI GenBank Nucleotide #	NM_006176.2
UniProt Accession #	Q92686
Molecular Weight	7,618 Da
NCBI Official Full Name	neurogranin
NCBI Official Synonym Full Names	neurogranin (protein kinase C substrate, RC3)
NCBI Official Symbol	NRGN
NCBI Official Synonym Symbols	RC3; hng
NCBI Protein Information	neurogranin
UniProt Protein Name	Neurogranin
UniProt Gene Name	NRGN
UniProt Synonym Gene Names	Ng
UniProt Entry Name	NEUG_HUMAN

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.