

Rat Neurotensin (NT) ELISA Kit | NT elisa kit

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CATALOG #
AAA182240

REACTIVITY
Rat

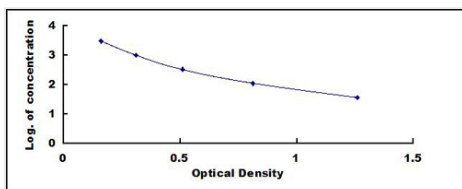
PRODUCT SYNONYMS

Neurotensin (NT); Rat Neurotensin (NT) ELISA Kit; NTS; NTS1; NmN-125; NN; Tail peptide Neuromedin N; NT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Neurotensin (NT). No significant cross-reactivity or interference between Neurotensin (NT) and analogues was observed.
Sequence Length	170
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	37.04-3000pg/mL
Sensitivity	< 15.2pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Neurotensin (NT) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Neurotensin (NT) 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 NT elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Neurotensin (NT) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Neurotensin (NT) and unlabeled Neurotensin (NT) (Standards or samples) with the pre-coated antibody specific to Neurotensin (NT). 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 Neurotensin (NT) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Neurotensin (NT) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5453816
NCBI GeneID	4922
NCBI Accession #	NP_006174.1
NCBI GenBank Nucleotide #	NM_006183.4
UniProt Accession #	P30990
Molecular Weight	19,795 Da
NCBI Official Full Name	neurotensin/neuromedin N preproprotein
NCBI Official Synonym Full Names	neurotensin
NCBI Official Symbol	NTS
NCBI Official Synonym Symbols	NN; NT; NT/N; NTS1; NMN-125
NCBI Protein Information	neurotensin/neuromedin N
UniProt Protein Name	Neurotensin/neuromedin N
UniProt Gene Name	NTS
UniProt Synonym Gene Names	NN; NmN; NT

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.