Human Neuropeptide S (NPS) ELISA Kit | NPS elisa kit

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CATALOG #	REACTIVITY
AAA136900	**Human**

PRODUCT SYNONYMS

Neuropeptide S (NPS); Human Neuropeptide S (NPS) ELISA Kit; NP-S; NPS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NPS. No significant cross-reactivity or interference between NPS and analogues was observed.
Sequence Length	89
Assay Type	Quantitative Competitive
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	12.35-1,000pg/mL
Sensitivity	< 4.43pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NPS 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 NPS 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.

ADDITIONAL INFORMATION

Related Product Information for NPS elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to NPS has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled NPS and unlabeled NPS (Standards or samples) with the pre-coated antibody specific to NPS. 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 NPS in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of NPS in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of NPS in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for NPS elisa kit	Neuroscience; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	98986319
NCBI GeneID	594857
NCBI Accession #	NP_001025184.1
NCBI GenBank Nucleotide #	NM_001030013.1
UniProt Accession #	P0C0P6
Molecular Weight	10,103 Da
NCBI Official Full Name	neuropeptide S
NCBI Official Synonym Full Names	neuropeptide S
NCBI Official Symbol	NPS
NCBI Protein Information	neuropeptide S
UniProt Protein Name	Neuropeptide S
UniProt Gene Name	**NPS**
UniProt Entry Name	NPS_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.

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Online datasheet: https://www.aaabiotech.com/human-elisa-kits/neuropeptide-s-nps/136900