

Human Neuropeptide FF (NPFF) ELISA Kit | NPFF elisa kit

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CATALOG #
AAA64037

REACTIVITY
Human

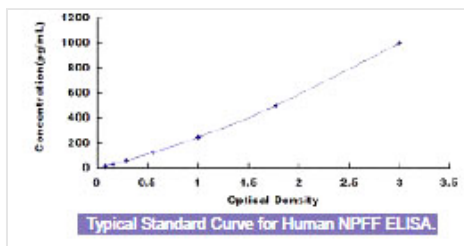
PRODUCT SYNONYMS

Neuropeptide FF (NPFF); Human Neuropeptide FF (NPFF) ELISA Kit; FMRFAL Neuropeptide FF-Amide Peptide Precursor Pro-FMRFamide-related neuropeptide FF; NPFF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NPFF. No significant cross-reactivity or interference between NPFF and analogues was observed.
Sequence Length	116
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Competitive inhibition
Detection Range	15.625-1000pg/mL
Sensitivity	4.54pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NPFF 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 NPFF were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NPFF elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NPFF in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an qantibody specific to NPFF. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NPFF. 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 NPFF, 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 +/- 10nm. The concentration of NPFF in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	998429241
NCBI GeneID	8620
NCBI Accession #	NP_001307225.1
NCBI GenBank Nucleotide #	NM_001320296.1
UniProt Accession #	O15130; Q3SXL4
Molecular Weight	12,991 Da
NCBI Official Full Name	pro-FMRFamide-related neuropeptide FF isoform 2
NCBI Official Synonym Full Names	neuropeptide FF-amide peptide precursor
NCBI Official Symbol	NPFF
NCBI Official Synonym Symbols	FMRFAL
NCBI Protein Information	pro-FMRFamide-related neuropeptide FF
UniProt Protein Name	Pro-FMRFamide-related neuropeptide FF
UniProt Gene Name	NPFF
UniProt Synonym Gene Names	NPSF; NPFF; NPAF

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.