

Human Neuropeptide FF (NPFF) CLIA Kit | NPFF clia kit

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CATALOG # AAA188457	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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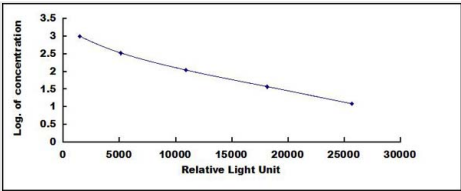
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Neuropeptide FF (NPFF). No significant cross-reactivity or interference between Neuropeptide FF (NPFF) and analogues was observed.
Sequence Length	113
Assay Type	Competitive Inhibition
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	12.35-1,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 4.99pg/mL
Applicable Applications for NPFF clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Neuropeptide FF (NPFF) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Neuropeptide FF (NPFF) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with a monoclonal antibody specific to Neuropeptide FF (NPFF). A competitive inhibition reaction is launched between biotin labeled Neuropeptide FF (NPFF) and unlabeled Neuropeptide FF (NPFF) (Standards or samples) with the pre-coated antibody specific to Neuropeptide FF (NPFF). 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 Neuropeptide FF (NPFF) in the sample. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is reverse proportional to the Neuropeptide FF (NPFF) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	8134595
NCBI GeneID	8620
UniProt Accession #	O15130
NCBI Official Full Name	Pro-FMRFamide-related neuropeptide FF
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
UniProt Entry Name	NPFF_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/neuropeptide-ff-npff/188457>