

Human Neuronal Pentraxin I (NPTX1) ELISA Kit | NPTX1 elisa kit

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CATALOG #
AAA137451

REACTIVITY
Human

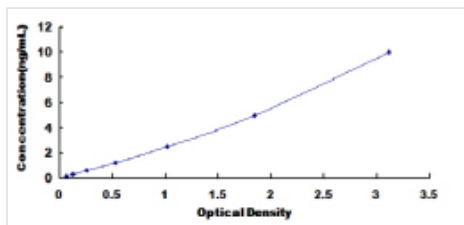
PRODUCT SYNONYMS

Neuronal Pentraxin I (NPTX1); Human Neuronal Pentraxin I (NPTX1) ELISA Kit; NARP1; NP-I; NP1; NPTX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Neuronal Pentraxin I (NPTX1). No significant cross-reactivity or interference between Neuronal Pentraxin I (NPTX1) and analogues was observed.
Sequence Length	315
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Neuronal Pentraxin I (NPTX1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Neuronal Pentraxin I (NPTX1) 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 NPTX1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Neuronal Pentraxin I (NPTX1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Neuronal Pentraxin I (NPTX1). 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 Neuronal Pentraxin I (NPTX1), 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 Neuronal Pentraxin I (NPTX1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for NPTX1 elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	119610023
NCBI GeneID	4884
UniProt Accession #	Q15818; Q5FWE6; B3KXH3
Molecular Weight	47,122 Da
NCBI Official Full Name	neuronal pentraxin I
NCBI Official Synonym Full Names	neuronal pentraxin I
NCBI Official Symbol	NPTX1
NCBI Official Synonym Symbols	NP1
NCBI Protein Information	neuronal pentraxin-1
UniProt Protein Name	Neuronal pentraxin-1
UniProt Gene Name	NPTX1
UniProt Synonym Gene Names	NP1; NP-I
UniProt Entry Name	NPTX1_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.