

Mouse Neuronal Pentraxin II (NPTX2) ELISA Kit | NPTX2 elisa kit

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CATALOG #
AAA188105

REACTIVITY
Mouse

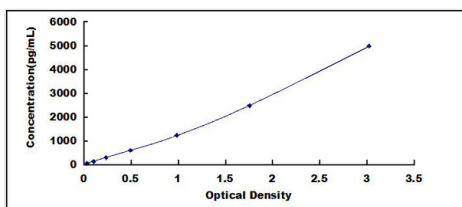
PRODUCT SYNONYMS

Neuronal Pentraxin II (NPTX2); Mouse Neuronal Pentraxin II (NPTX2) ELISA Kit; NARP2; NP-II; NP2; Apexin; NPTX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Neuronal Pentraxin II (NPTX2). No significant cross-reactivity or interference between Neuronal Pentraxin II (NPTX2) and analogues was observed.
Sequence Length	431
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	78-5,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 32pg/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Neuronal Pentraxin II (NPTX2) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Neuronal Pentraxin II (NPTX2) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ 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 NPTX2 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 II (NPTX2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Neuronal Pentraxin II (NPTX2). 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 II (NPTX2), 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 II (NPTX2) 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 #	28195384
NCBI GenBank Nucleotide #	NP_002514.1
UniProt Accession #	P47972
NCBI Official Full Name	neuronal pentraxin-2
UniProt Protein Name	Neuronal pentraxin-2
UniProt Gene Name	NPTX2
UniProt Synonym Gene Names	NP2; NP-II
UniProt Entry Name	NPTX2_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://stage.aaabiotech.com/mouse-elisa-kits/neuronal-pentraxin-ii-nptx2/188105>