

Rat Neuropathy Target Esterase (NTE) ELISA Kit | NTE elisa kit

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CATALOG #
AAA187319

REACTIVITY
Rat

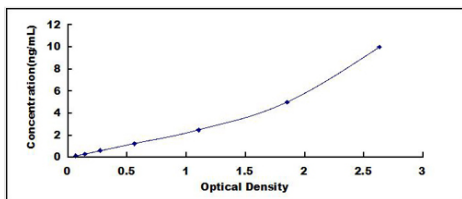
PRODUCT SYNONYMS

Neuropathy Target Esterase (NTE); Rat Neuropathy Target Esterase (NTE) ELISA Kit; PNPLA6; Sws; Patatin-Like Phospholipase Domain Containing 6; NTE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Neuropathy Target Esterase (NTE). No significant cross-reactivity or interference between Neuropathy Target Esterase (NTE) and analogues was observed.
Sequence Length	1,300
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Neuropathy Target Esterase (NTE) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Neuropathy Target Esterase (NTE) 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 NTE 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 Neuropathy Target Esterase (NTE). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Neuropathy Target Esterase (NTE). 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 Neuropathy Target Esterase (NTE), 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 Neuropathy Target Esterase (NTE) 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 #	260656043
NCBI GeneID	10908
NCBI Accession #	NP_001159586.1
NCBI GenBank Nucleotide #	NM_001166114.1
UniProt Accession #	Q8IY17; O60859; Q86W58; Q9UG58; A6NGQ0; B4DFB9; B7Z7T2; F5H5K9; J3KQS3
Molecular Weight	143,351 Da
NCBI Official Full Name	neuropathy target esterase isoform d
NCBI Official Synonym Full Names	patatin like phospholipase domain containing 6
NCBI Official Symbol	PNPLA6
NCBI Official Synonym Symbols	NTE; sws; BNHS; LNMS; OMCS; SPG39; NTEMND; iPLA2delta
NCBI Protein Information	neuropathy target esterase
UniProt Protein Name	Neuropathy target esterase
UniProt Gene Name	PNPLA6
UniProt Synonym Gene Names	NTE

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/rat-elisa-kits/neuropathy-target-esterase-nte/187319>