

Mouse N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) ELISA Kit | NT-ProBNP elisa kit

Mouse N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) Mini Samples ELISA Kit

CATALOG # AAA150397	REACTIVITY Mouse	APPLICATIONS ELISA
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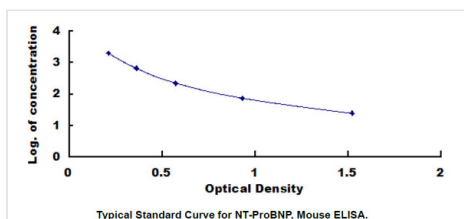
PRODUCT SYNONYMS

N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP); Mouse N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) Mini Samples ELISA Kit; NT-Pro-BNP; ; N-BNP; NT-ProBNP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of NT-ProBNP. No significant cross-reactivity or interference between NT-ProBNP and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Detection Range	24.69-2,000pg/mL
Sensitivity	< 9.01pg/mL
Applicable Applications for NT-ProBNP elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high-level NT-ProBNP 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 NT-ProBNP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 NT-ProBNP elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to NT-ProBNP has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled NT-ProBNP and unlabeled NT-ProBNP (Standards or samples) with the pre-coated antibody specific to NT-ProBNP. 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 NT-ProBNP in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of NT-ProBNP in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of NT-ProBNP in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for NT-ProBNP elisa kit	Endocrinology; Cardiovascular biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	565671787
NCBI GeneID	18158
NCBI Accession #	NP_001274277.1
NCBI GenBank Nucleotide #	NM_001287348.1
UniProt Accession #	P40753
Molecular Weight	13,628 Da
NCBI Official Full Name	natriuretic peptides B isoform 2 preproprotein
NCBI Official Synonym Full Names	natriuretic peptide type B
NCBI Official Symbol	Nppb
NCBI Official Synonym Symbols	BNF; BNP; AA408272
NCBI Protein Information	natriuretic peptides B
UniProt Protein Name	Natriuretic peptides B
UniProt Gene Name	Nppb
UniProt Synonym Gene Names	BNP

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/n-terminal-pro-brain-natriuretic-peptide-nt-probnp/150397>