

Dog N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) CLIA Kit | NT-ProBNP clia kit

Dog CLIA Kit for N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) ELISA Kit

CATALOG #
AAA150003

REACTIVITY
Dog

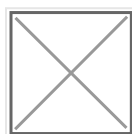
PRODUCT SYNONYMS

N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP); Dog CLIA Kit for N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) ELISA Kit; NT-Pro-BNP; ; N-BNP; NT-ProBNP clia kit

PRODUCT SPECIFICATIONS

Reactivity	Dog
Specificity	This assay has high sensitivity and excellent specificity for detection of N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP). No significant cross-reactivity or interference between N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) and analogues was observed.
Sequence Length	140
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	19.5-5,000pg/mL
Sensitivity	6.7pg/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) 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 NT-ProBNP clia kit	The microplate provided in this kit has been pre-coated with a monoclonal antibody specific to N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP). A competitive inhibition reaction is launched between biotin labeled N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) and unlabeled N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) (Standards or samples) with the pre-coated antibody specific to N-Terminal Pro-Brain Natriuretic Peptide (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 N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) 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 N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) level in the sample or standard.
Product Categories/Family for NT-ProBNP clia kit	Endocrinology; Cardiovascular Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	113835
NCBI GeneID	487441
UniProt Accession #	P16859
NCBI Official Full Name	Natriuretic peptides B
NCBI Official Synonym Full Names	natriuretic peptide B
NCBI Official Symbol	NPPB
NCBI Official Synonym Symbols	BNP
NCBI Protein Information	natriuretic peptides B
UniProt Protein Name	Natriuretic peptides B
UniProt Gene Name	NPPB
UniProt Synonym Gene Names	BNP-34; BNP-29

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/dog-clia-kits/n-terminal-pro-brain-natriuretic-peptide-nt-probnp/150003>