

Canine Brain Natriuretic Peptide ELISA Kit | BNP elisa kit

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CATALOG #
AAA91130

REACTIVITY
Canine

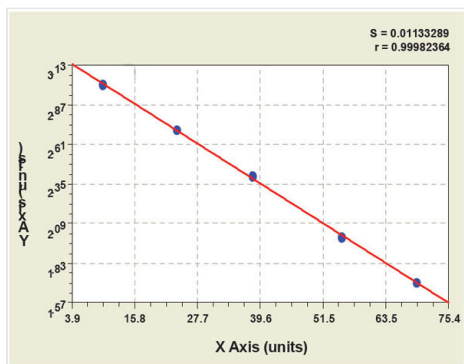
PRODUCT SYNONYMS

Brain Natriuretic Peptide; Canine Brain Natriuretic Peptide ELISA Kit; BNP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This BNP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine BNP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BNP elisa kit

Principle of the Assay: BNP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BNP antibody and an BNP-HRP conjugate. The assay sample and buffer are incubated together with BNP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the BNP concentration since BNP from samples and BNP-HRP conjugate compete for the anti-BNP antibody binding site. Since the number of sites is limited, as more sites are occupied by BNP from the sample, fewer sites are left to bind BNP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BNP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	74096009
NCBI GeneID	446068
NCBI Accession #	NP_001027860.1
NCBI GenBank Nucleotide #	NM_001032688.1
Molecular Weight	14,746 Da
NCBI Official Full Name	brain natriuretic peptide
NCBI Official Symbol	nppb
NCBI Official Synonym Symbols	bnp
NCBI Protein Information	brain natriuretic peptide
UniProt Protein Name	Brain natriuretic peptide
UniProt Gene Name	nppb
UniProt Synonym Gene Names	bnp
UniProt Entry Name	ANFB_TAKRU

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/bnp-canine-elisa-kits/brain-natriuretic-peptide/91130>