

Rat BNP ELISA Kit | BNP elisa kit

Rat BNP (Brain Natriuretic Peptide) ELISA Kit

CATALOG #
AAA21529

REACTIVITY
Rat

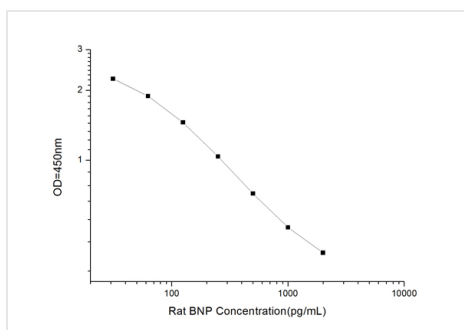
PRODUCT SYNONYMS

BNP; Rat BNP (Brain Natriuretic Peptide) ELISA Kit; BNP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat BNP in samples. No significant cross-reactivity or interference between Rat BNP and analogues was observed.
Sequence Length	133
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	31.25-2000pg/mL
Sensitivity	18.75pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat BNP were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat BNP were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BNP elisa kit	Principle of the Assay: This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Rat BNP. During the reaction, Rat BNP in the sample or standard competes with a fixed amount of Rat BNP on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Rat BNP. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) are added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of Rat BNP in the samples is then determined by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat BNP concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74096009
NCBI GeneID	446068
NCBI Accession #	NP_001027860.1
NCBI GenBank Nucleotide #	NM_001032688.1
UniProt Accession #	Q805D7
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/rat-elisa-kits/bnp/21529>