

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

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CATALOG #
AAA63957

REACTIVITY
Rat

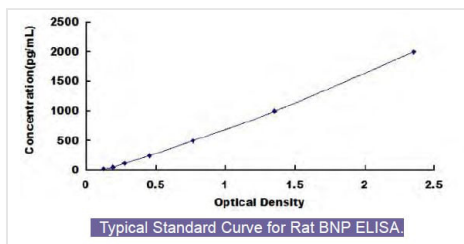
PRODUCT SYNONYMS

Brain Natriuretic Peptide (BNP); Rat Brain Natriuretic Peptide (BNP) ELISA Kit; GC-B; NPPB; B-Type Natriuretic Peptide; Natriuretic Peptide Precursor B; Gamma-brain natriuretic peptide; Brain natriuretic peptide 32; BNP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of BNP. No significant cross-reactivity or interference between BNP and analogues was observed.
Sequence Length	121
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	31.2-2000pg/mL
Sensitivity	< 8.44pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BNP 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 BNP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BNP elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to BNP. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to BNP. 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 BNP, 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 BNP in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of BNP in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13928738
NCBI GeneID	25105
NCBI Accession #	NP_113733.1
NCBI GenBank Nucleotide #	NM_031545.1
UniProt Accession #	P13205
Molecular Weight	13,656 Da
NCBI Official Full Name	natriuretic peptides B
NCBI Official Synonym Full Names	natriuretic peptide B
NCBI Official Symbol	Nppb
NCBI Official Synonym Symbols	BNP; Bnf
NCBI Protein Information	natriuretic peptides B
UniProt Protein Name	Natriuretic peptides B
UniProt Gene Name	Nppb

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/brain-natriuretic-peptide-bnp/63957>