

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

Mouse Brain Natriuretic Peptide (BNP) Mini Samples ELISA Kit

CATALOG # AAA188699	REACTIVITY Mouse	APPLICATIONS ELISA
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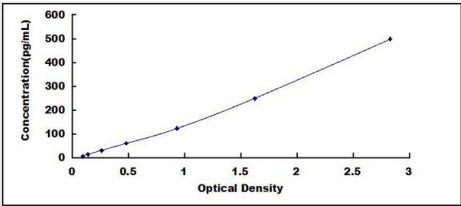
PRODUCT SYNONYMS

Brain Natriuretic Peptide (BNP); Mouse Brain Natriuretic Peptide (BNP) Mini Samples ELISA Kit; Brain Natriuretic Peptide; GC-B; B-Type Natriuretic Peptide; Ventricular Natriuretic Peptide; Gamma-brain natriuretic peptide; Brain natriuretic peptide 32; BNP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mini Samples Brain Natriuretic Peptide (BNP). No significant cross-reactivity or interference between Mini Samples Brain Natriuretic Peptide (BNP) and analogues was observed.
Sequence Length	120
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	7.8-500pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 3.0pg/mL
Applicable Applications for BNP elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mini Samples Brain Natriuretic Peptide (BNP) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mini Samples Brain Natriuretic Peptide (BNP) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mini Samples Brain Natriuretic Peptide (BNP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mini Samples Brain Natriuretic Peptide (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 Mini Samples Brain Natriuretic Peptide (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 Mini Samples Brain Natriuretic Peptide (BNP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	565671787
NCBI GeneID	18158
NCBI Accession #	NP_001274277.1
NCBI GenBank Nucleotide #	NP_001274277.1
UniProt Accession #	P40753
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://www.aaabiotech.com/mouse-elisa-kits/brain-natriuretic-peptide-bnp/188699>