

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

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CATALOG #
AAA64702

REACTIVITY
Mouse

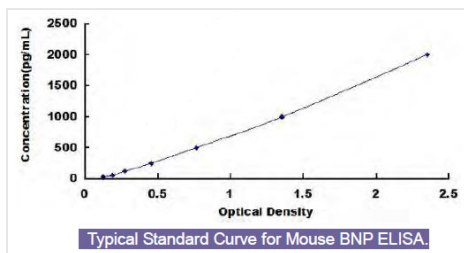
PRODUCT SYNONYMS

Brain Natriuretic Peptide (BNP); Mouse 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	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of BDH1. No significant cross-reactivity or interference between BDH1 and analogues was observed.
Sequence Length	120
Samples	Human Tissue Homogenates, Cell Lysates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BDH1 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 BDH1 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	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of BDH1 in human tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to BDH1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to BDH1. 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 BDH1, 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 BDH1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	565671787
NCBI GeneID	18158
NCBI Accession #	NP_001274277.1
NCBI GenBank Nucleotide #	NM_001287348.1
UniProt Accession #	P40753
Molecular Weight	13,628 Da
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.