

Mouse Brain Natriuretic Peptide ELISA Kit | BNP elisa kit

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CATALOG #
AAA84331

REACTIVITY
Mouse

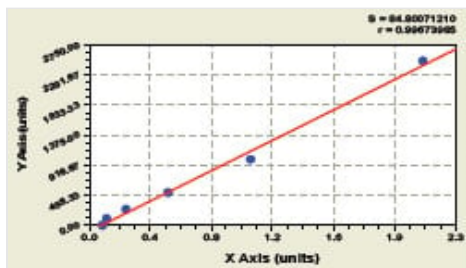
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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 Mouse BNP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for BNP elisa kit

Principle of the assay: BNP ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for BNP. Standards or samples are then added to the microtiter plate wells and BNP if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of BNP present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for BNP are added to each well to "sandwich" the BNP immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain BNP and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.

Product Categories/Family for BNP elisa kit

[Neurobiology](#)

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-mouse-elisa-kits/brain-natriuretic-peptide/84331>