

Mouse Natriuretic peptides B (NPPB) ELISA Kit | NPPB elisa kit

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CATALOG #
AAA245005

REACTIVITY
Mouse

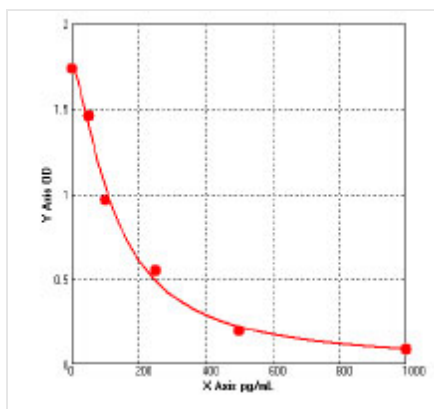
PRODUCT SYNONYMS

Natriuretic peptides B (NPPB); Mouse Natriuretic peptides B (NPPB) ELISA Kit; NPPB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NPPB elisa kit

Intended Uses: This NPPB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse NPPB. This ELISA kit for research use only!

Principle of the Assay: NPPB ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NPPB antibody and an NPPB-HRP conjugate. The assay sample and buffer are incubated together with NPPB-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NPPB concentration since NPPB from samples and NPPB-HRP conjugate compete for the anti-NPPB antibody binding site. Since the number of sites is limited, as more sites are occupied by NPPB from the sample, fewer sites are left to bind NPPB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NPPB concentration in each sample is interpolated from this standard curve.

Product Categories/Family for NPPB
elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505433
NCBI GeneID	4879
NCBI Accession #	NP_002512.1
NCBI GenBank Nucleotide #	NM_002521.2
Molecular Weight	14,726 Da
NCBI Official Full Name	natriuretic peptides B preproprotein
NCBI Official Synonym Full Names	natriuretic peptide B
NCBI Official Symbol	NPPB
NCBI Official Synonym Symbols	BNP
NCBI Protein Information	natriuretic peptides B; natriuretic protein; brain type natriuretic peptide; gamma-brain natriuretic peptide; natriuretic peptide precursor B
UniProt Protein Name	Natriuretic peptides B
UniProt Gene Name	NPPB
UniProt Synonym Gene Names	BNP(1-32); BNP-32
UniProt Entry Name	ANFB_HUMAN

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/mouse-elisa-kits/natriuretic-peptides-b-nppb/245005>