

Mouse natriuretic peptide precursor C (NPPC) ELISA Kit | NPPC elisa kit

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CATALOG #
AAA245197

REACTIVITY
Mouse

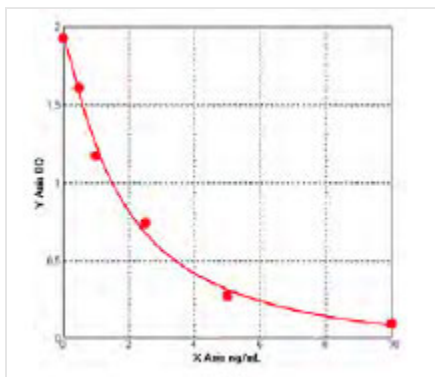
PRODUCT SYNONYMS

natriuretic peptide precursor C (NPPC); Mouse natriuretic peptide precursor C (NPPC) ELISA Kit; NPPC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of NPPC. No significant cross-reactivity or interference between NPPC and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NPPC and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NPPC elisa kit	Intended Uses: This NPPC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of MouseNPPC. This ELISA kit for research use only! Principle of the Assay: NPPC ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NPPC antibody and an NPPC-HRP conjugate. The assay sample and buffer are incubated together with NPPC-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 NPPC concentration since NPPC from samples and NPPC-HRP conjugate compete for the anti-NPPC antibody binding site. Since the number of sites is limited, as more sites are occupied by NPPC from the sample, fewer sites are left to bind NPPC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NPPC concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119591390
NCBI GeneID	4880
Molecular Weight	13,246 Da
NCBI Official Full Name	natriuretic peptide C
NCBI Official Synonym Full Names	natriuretic peptide C
NCBI Official Symbol	NPPC
NCBI Official Synonym Symbols	CNP; CNP2
NCBI Protein Information	C-type natriuretic peptide; natriuretic peptide precursor C
UniProt Protein Name	C-type natriuretic peptide
UniProt Gene Name	NPPC
UniProt Synonym Gene Names	CNP2
UniProt Entry Name	ANFC_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-peptide-precursor-c-nppc/245197>