

Human C Type Natriuretic Peptide ELISA Kit | CNP elisa kit

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CATALOG #
AAA16024

REACTIVITY
Human

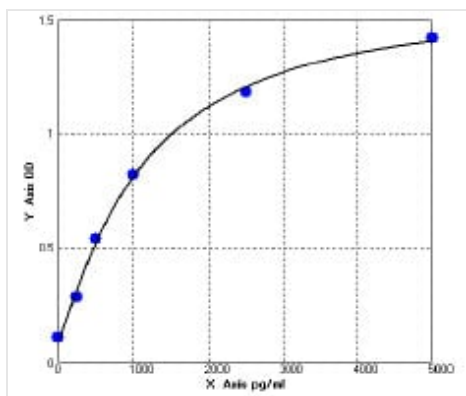
PRODUCT SYNONYMS

C Type Natriuretic Peptide; Human C Type Natriuretic Peptide ELISA Kit; CNP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CNP. No significant cross-reactivity or interference between CNP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CNP 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 Sandwich
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNP elisa kit	Intended Uses: This CNP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CNP. This ELISA kit for research use only! Principle of the Assay: CNP ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CNP. Standards or samples are then added to the microtiter plate wells and CNP if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CNP present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for CNP are added to each well to "sandwich" the CNP 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 CNP 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 CNP concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13249346
NCBI GeneID	4880
NCBI Accession #	NP_077720.1
NCBI GenBank Nucleotide #	NM_024409.2
Molecular Weight	13,246 Da
NCBI Official Full Name	C-type natriuretic peptide
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.