

Human C-type natriuretic peptide ELISA Kit | NPPC elisa kit

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CATALOG #
AAA99846

REACTIVITY
Human

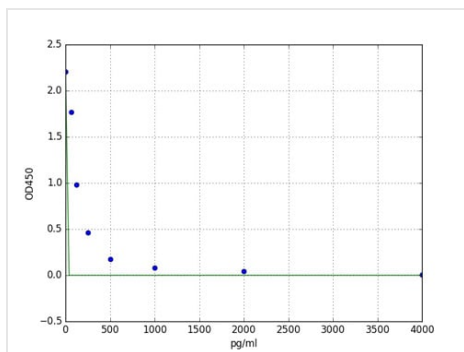
PRODUCT SYNONYMS

C-type natriuretic peptide; Human C-type natriuretic peptide ELISA Kit; NPPC/CNP/CNP2/C-type natriuretic peptide/natriuretic peptide C/natriuretic peptide precursor C; NPPC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	126
Samples	Serum, plasma and other biological fluids.
Assay Type	Competitive ELISA, Coated with Antigen
Detection Range	62.5-4000pg/ml
Sensitivity	37.5pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human NPPC ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	62.5	125	250	500	1000	2000	4000
Y	OD450	2.198	1.841	1.587	1.249	0.895	0.653	0.457	0.367

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NPPC elisa kit

Principle of the Assay||This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with Human NPPC. During the reaction, Human NPPC in the sample or standard competes with a fixed amount of Human NPPC on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to Human NPPC. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of Human NPPC in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13249346
NCBI GeneID	4880
NCBI Accession #	NP_077720.1
NCBI GenBank Nucleotide #	NM_024409.3
Molecular Weight	13,246 Da
NCBI Official Full Name	C-type natriuretic peptide preproprotein
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
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/nppc-human-elisa-kits/c-type-natriuretic-peptide/99846>