

Chicken C-Type Natriuretic Peptide ELISA Kit | CNP elisa kit

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CATALOG #
AAA89620

REACTIVITY
Chicken

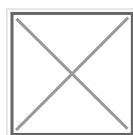
PRODUCT SYNONYMS

C-Type Natriuretic Peptide; Chicken C-Type Natriuretic Peptide ELISA Kit; CNP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This CNP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken CNP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNP elisa kit

Principle of the assay: CNP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CNP antibody and an CNP-HRP conjugate. The assay sample and buffer are incubated together with CNP-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 CNP concentration since CNP from samples and CNP-HRP conjugate compete for the anti-CNP antibody binding site. Since the number of sites is limited, as more sites are occupied by CNP from the sample, fewer sites are left to bind CNP-HRP conjugate. 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.

Product Categories/Family for CNP elisa kit

[Epigenetics and Nuclear Signaling](#)

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.

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Online datasheet: <https://stage.aaabiotech.com/cnp-chicken-elisa-kits/c-type-natriuretic-peptide/89620>