

Human 2',3'-cyclic-nucleotide 3'-phosphodiesterase ELISA Kit | CNP elisa kit

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CATALOG #
AAA102455

REACTIVITY
Human

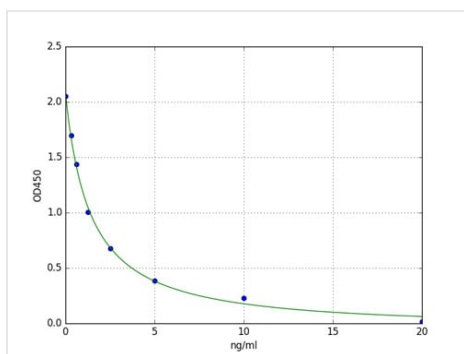
PRODUCT SYNONYMS

2'; 3'-cyclic-nucleotide 3'-phosphodiesterase; Human 2'; 3'-cyclic-nucleotide 3'-phosphodiesterase ELISA Kit; CNP/2'; 3'-cyclic-nucleotide 3'-phosphodiesterase/CNPase; CNP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	420
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/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 CNP 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	312.5	625	1250	2500	5000	10000	20000
Y	OD450	2.441	2.125	1.675	1.287	0.917	0.618	0.483	0.362

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNP 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 an antibody specific to Human CNP. During the reaction, Human CNP in the sample or standard competes with a fixed amount of biotin-labeled Human CNP for sites on a precoated Monoclonal antibody specific to Human CNP. 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 CNP in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	57977323
NCBI GeneID	25275
NCBI Accession #	NP_036941.1
NCBI GenBank Nucleotide #	NM_012809.2
Molecular Weight	47,268 Da
NCBI Official Full Name	2',3'-cyclic-nucleotide 3'-phosphodiesterase
NCBI Official Synonym Full Names	2',3'-cyclic nucleotide 3' phosphodiesterase
NCBI Official Symbol	Cnp
NCBI Official Synonym Symbols	CNPF; CNPI; Cnp1; CNPII
NCBI Protein Information	2',3'-cyclic-nucleotide 3'-phosphodiesterase
UniProt Protein Name	2',3'-cyclic-nucleotide 3'-phosphodiesterase
UniProt Gene Name	Cnp
UniProt Synonym Gene Names	Cnp1; CNP; CNPase
UniProt Entry Name	CN37_RAT

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-human-elisa-kits/23-cyclic-nucleotide-3-phosphodiesterase/102455>