

Human Copeptin (CPP) ELISA Kit | CPP elisa kit

Human Copeptin (CPP) High Sensitive ELISA Kit

CATALOG # AAA188489	REACTIVITY Human	APPLICATIONS ELISA
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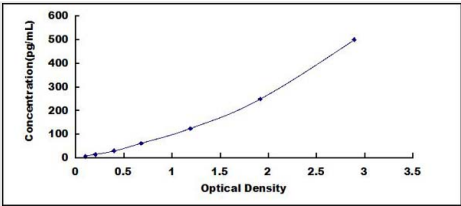
PRODUCT SYNONYMS

Copeptin (CPP); Human Copeptin (CPP) High Sensitive ELISA Kit; Copeptin; C-Terminal Provasopressin; Vasopressin-Neurophysin 2-Copeptin; CPP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of High Sensitive Copeptin (CPP). No significant cross-reactivity or interference between High Sensitive Copeptin (CPP) and analogues was observed.
Sequence Length	164
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	7.8-500pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 2.9pg/mL
Applicable Applications for CPP elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Sensitive Copeptin (CPP) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level High Sensitive Copeptin (CPP) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to High Sensitive Copeptin (CPP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to High Sensitive Copeptin (CPP). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain High Sensitive Copeptin (CPP), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of High Sensitive Copeptin (CPP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	13259533
NCBI GeneID	551
NCBI Accession #	NP_000481.2
NCBI GenBank Nucleotide #	NP_000481.2
UniProt Accession #	P01185
NCBI Official Full Name	vasopressin-neurophysin 2-copeptin preproprotein
NCBI Official Synonym Full Names	arginine vasopressin
NCBI Official Symbol	AVP
NCBI Official Synonym Symbols	VP; ADH; ARVP; AVRP; AVP-NPII
NCBI Protein Information	vasopressin-neurophysin 2-copeptin
UniProt Protein Name	Vasopressin-neurophysin 2-copeptin
UniProt Gene Name	AVP
UniProt Synonym Gene Names	ARVP; VP
UniProt Entry Name	NEU2_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/human-elisa-kits/copeptin-cpp/188489>