

Mouse Copeptin (CPP) ELISA Kit | CPP elisa kit

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CATALOG #
AAA137129

REACTIVITY
Mouse

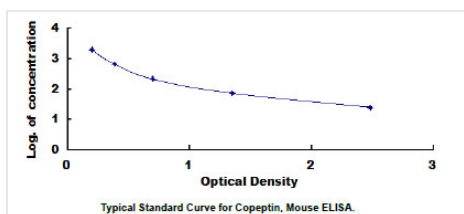
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of copeptin. No significant cross-reactivity or interference between copeptin and analogues was observed.
Sequence Length	38
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	24.69-2,000pg/mL
Sensitivity	9.16pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level copeptin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level copeptin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
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)

ADDITIONAL INFORMATION

Related Product Information for CPP elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of copeptin in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to copeptin has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled copeptin and unlabeled copeptin (Standards or samples) with the pre-coated antibody specific to copeptin. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of copeptin in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of copeptin in the sample.
References	Tmem117 in AVP neurons regulates the counterregulatory response to hypoglycemia ; S Gaspari

NCBI AND UNIPROT INFORMATION

NCBI GI #	225612
NCBI Official Full Name	copeptin

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://www.aaabiotech.com/mouse-elisa-kits/copeptin-cpp/137129>