

Rat Urocortin 1 (UCN1) ELISA Kit | UCN1 elisa kit

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CATALOG #
AAA141225

REACTIVITY
Rat

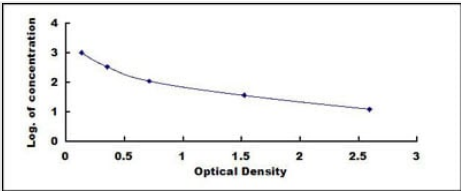
PRODUCT SYNONYMS

Urocortin 1 (UCN1); Rat Urocortin 1 (UCN1) ELISA Kit; UI; UROC; Urocortin; UCN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of UCN1. No significant cross-reactivity or interference between UCN1 and analogues was observed.
Samples	Rat serum, plasma and other biological fluids
Assay Type	Competitive
Detection Range	12.35-1,000pg/mL
Sensitivity	The minimum detectable dose of UCN1 is typically less than 5.13pg/mL. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined by subtracting two standard deviations to the mean optical density value of twenty zero standard replicates and calculating the corresponding concentration.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level UCN1 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 UCN1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Intended Uses	The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of UCN1 in rat serum, plasma and other biological fluids.
Preparation and Storage	For unopened kit: All the reagents should be kept according to the labels on vials. The Standard, Detection Reagent A, Detection Reagent B and the 96-well strip plate should be stored at -20 degree C upon receipt while the others should be at 4 degree C. For opened kit: When the kit is opened, the remaining reagents still need to be stored according to the above storage condition. Besides, please return the unused wells to the foil pouch containing the desiccant pack, and reseal along entire edge of zip-seal. 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 UCN1 elisa kit	Principle of the assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to UCN1 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled UCN1 and unlabeled UCN1 (Standards or samples) with the pre-coated antibody specific to UCN1. 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 UCN1 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of UCN1 in the sample.
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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/rat-elisa-kits/urocortin-1-ucn1/141225>