

Mouse angiotensin I , Ang-I ELISA Kit | Ang- elisa kit

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CATALOG #
AAA79905

REACTIVITY
Mouse

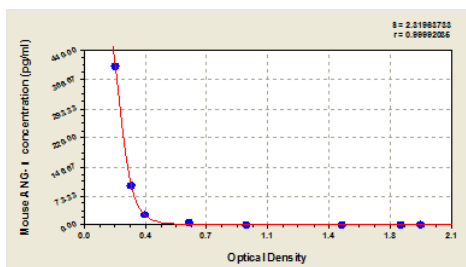
PRODUCT SYNONYMS

angiotensin I; Ang-I; Mouse angiotensin I; Ang-I ELISA Kit; Ang-; Ang- elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	10
Samples	Serum, plasma
Detection Range	0.097 pg/ml-400 pg/ml
Sensitivity	0.097 pg/ml
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ang-elisa kit	Introduction: Angiotensin causes blood vessels to constrict, and drives blood pressure up. It is part of the renin-angiotensin system, which is a major target for drugs that lower blood pressure. Angiotensin also stimulates the release of aldosterone from the adrenal cortex. Aldosterone promotes sodium retention in the distal nephron, which also drives blood pressure up. Angiotensin I is formed by the action of renin on angiotensinogen. Renin is produced in the kidneys in response to both decreased intra-renal blood pressure at the juxtaglomerular cells, or decreased delivery of Na⁺ and Cl⁻ to the macula densa. If more Na⁺ is sensed, renin release is decreased. Renin cleaves the peptide bond between the leucine and valine residues on angiotensinogen, creating the ten amino acid peptide (des-Asp) angiotensin I. Angiotensin I appears to have no biological activity and exists solely as a precursor to angiotensin II. Angiotensin I is converted to angiotensin II through removal of two terminal residues by the enzyme Angiotensin-converting enzyme, which is found predominantly in the capillaries of the lung. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Ang-I. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for Ang-I and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain Ang-I, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. 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 +/- 2 nm. The concentration of Ang-I in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	386598
NCBI Official Full Name	angiotensin I, ANG I

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/ang-mouse-elisa-kits/angiotensin-i-ang-i/79905>