

Mouse Angiotensin III (AngIII) ELISA Kit | AngIII elisa kit

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CATALOG #
AAA148414

REACTIVITY
Mouse

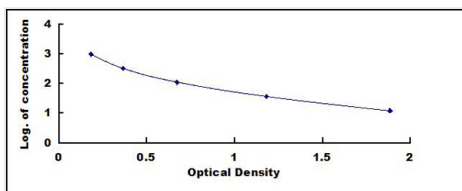
PRODUCT SYNONYMS

Angiotensin III (AngIII); Mouse Angiotensin III (AngIII) ELISA Kit; Ang-III; Angiotensin-3; AngIII elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Angiotensin III (AngIII). No significant cross-reactivity or interference between Angiotensin III (AngIII) and analogues was observed.
Sequence Length	145
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	12.35-1,000pg/mL
Sensitivity	4.42pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Angiotensin III (AngIII) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Angiotensin III (AngIII) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 AngIII elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Angiotensin III (AngIII) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Angiotensin III (AngIII) and unlabeled Angiotensin III (AngIII) (Standards or samples) with the pre-coated antibody specific to Angiotensin III (AngIII). 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 Angiotensin III (AngIII) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Angiotensin III (AngIII) in the sample.
Product Categories/Family for AngIII elisa kit	Endocrinology; Cardiovascular biology; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	283135182
NCBI GeneID	11730
NCBI Accession #	NP_001116866.2
NCBI GenBank Nucleotide #	NM_001123394.2
UniProt Accession #	P97802
Molecular Weight	16,696 Da
NCBI Official Full Name	angiogenin-3
NCBI Official Synonym Full Names	angiogenin, ribonuclease A family, member 3
NCBI Official Symbol	Ang3
NCBI Official Synonym Symbols	Angl; Ef-5; Rnase5c
NCBI Protein Information	angiogenin-3
UniProt Protein Name	Angiogenin-3
UniProt Gene Name	Ang3
UniProt Synonym Gene Names	Angl

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/mouse-elisa-kits/angiotensin-iii-angiii/148414>