

Rat Angiotensinogen (AGT) ELISA Kit | AGT elisa kit

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CATALOG #
AAA64404

REACTIVITY
Rat

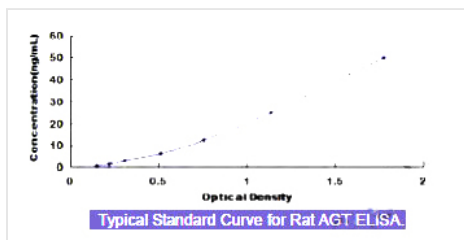
PRODUCT SYNONYMS

Angiotensinogen (AGT); Rat Angiotensinogen (AGT) ELISA Kit; ANHU SERPINA8 Angiotensin Renin Substrate Serpin Peptidase Inhibitor; Clade A; Member 8(Alpha-1 Antiproteinase; Antitrypsin); AGT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of AGT. No significant cross-reactivity or interference between AGT and analogues was observed.
Sequence Length	477
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	0.32ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AGT 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 AGT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AGT elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AGT in rat serum, plasma, tissue homogenates, and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AGT. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AGT. 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 AGT, 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 AGT 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 #	19705570
NCBI GeneID	24179
NCBI Accession #	NP_602308.1
NCBI GenBank Nucleotide #	NM_134432.2
UniProt Accession #	P01015
Molecular Weight	51,982 Da
NCBI Official Full Name	angiotensinogen
NCBI Official Synonym Full Names	angiotensinogen
NCBI Official Symbol	Agt
NCBI Official Synonym Symbols	Ang; PAT; ANRT; AngII
NCBI Protein Information	angiotensinogen
UniProt Protein Name	Angiotensinogen
UniProt Gene Name	Agt
UniProt Synonym Gene Names	Serpina8; Ang I; Ang II; Ang III; Ang IV

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.