

Human Angiotensinogen (AGT) ELISA Kit | AGT elisa kit

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CATALOG #
AAA63621

REACTIVITY
Human

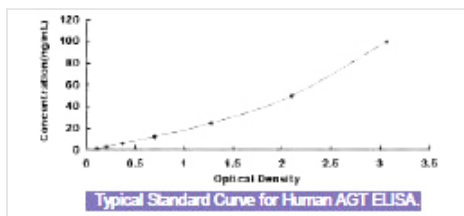
PRODUCT SYNONYMS

Angiotensinogen (AGT); Human 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	Human
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	485
Samples	Serum, plasma, urine, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.63ng/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 human serum, plasma, urine, tissue homogenates, cell lysates, cell culture supernates 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 #	4557287
NCBI GeneID	183
NCBI Accession #	NP_000020.1
NCBI GenBank Nucleotide #	NM_000029.3
UniProt Accession #	P01019; Q16358; Q16359; Q96F91
Molecular Weight	53,154 Da
NCBI Official Full Name	angiotensinogen preproprotein
NCBI Official Synonym Full Names	angiotensinogen
NCBI Official Symbol	AGT
NCBI Official Synonym Symbols	ANHU; SERPINA8
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.