

Human angiotensinogen (serpin peptidase inhibitor, clade A, member 8) ELISA Kit | AGT elisa kit

Human angiotensinogen, aGT ELISA Kit

CATALOG # AAA80040	REACTIVITY Human
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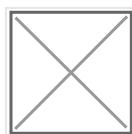
PRODUCT SYNONYMS

angiotensinogen (serpin peptidase inhibitor; clade A; member 8); Human angiotensinogen; aGT ELISA Kit; Human angiotensinogen (aGT) ELISA Kit; ANHU; FLJ92595; FLJ97926; SERPINA8; alpha-1 antiproteinase; antitrypsin; angiotensin I; angiotensin II; angiotensinogen; pre-angiotensinogen; serine (or cysteine) proteinase inhibitor; AGT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human aGT. No significant cross-reactivity or interference between human aGT and analogues was observed.
Sequence Length	485
Samples	Serum, plasma, urine, cell culture supernates
Assay Type	Sandwich
Detection Range	78 pg/ml -5000 pg/ml.
Sensitivity	The minimum detectable dose of human aGT is typically less than 19.5 pg/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 the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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 AGT elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for aGT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any aGT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for aGT is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of aGT bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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 (serpin peptidase inhibitor, clade A, member 8)
NCBI Official Symbol	AGT
NCBI Official Synonym Symbols	ANHU; SERPINA8
NCBI Protein Information	angiotensinogen; serpin A8; angiotensin I; angiotensin II; pre-angiotensinogen; alpha-1 antiproteinase, antitrypsin; serine (or cysteine) proteinase inhibitor
UniProt Protein Name	Angiotensinogen
UniProt Gene Name	AGT
UniProt Synonym Gene Names	SERPINA8; Ang I; Ang II; Ang III; Ang IV
UniProt Entry Name	ANGT_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/agt-human-elisa-kits/angiotensinogen-serpin-peptidase-inhibitor-clade-a-member-8/80040>