

Human Angiotensinogen (AGT) ELISA Kit | AGT elisa kit

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CATALOG #
AAA331153

REACTIVITY
Human

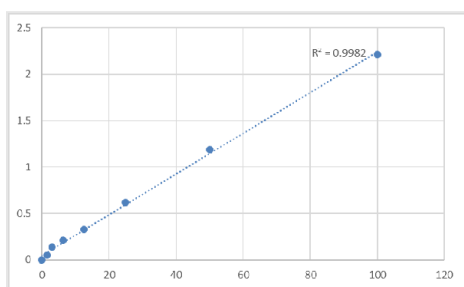
PRODUCT SYNONYMS

Angiotensinogen (AGT); Human Angiotensinogen (AGT) ELISA Kit; AGT; ANHU; FLJ92595; FLJ97926; SERPINA8; alpha-1 antiproteinase; antitrypsin; angiotensin I; angiotensin; angiotensinogen; pre-angiotensinogen; serine (or cysteine) proteinase inhibitor; AGT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Angiotensinogen (AGT) ELISA Kit 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
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Angiotensinogen (AGT) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for AGT elisa kit	Description: This Human Angiotensinogen (AGT) ELISA Kit employs a two-site sandwich ELISA to quantitate AGT in samples. An 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, Streptavidin 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. Background: Angiotensinogen is an alpha-2-globulin that is produced constitutively and released into the circulation mainly by the liver. It is a member of the serpin family, although it is not known to inhibit other enzymes, unlike most serpins. Plasma angiotensinogen levels are increased by plasma corticosteroid, estrogen, thyroid hormone, and angiotensin II levels. Angiotensin is formed from a precursor, angiotensinogen, which is produced by the liver and found in the alpha-globulin fraction of plasma. The lowering of blood pressure is a stimulus to secretion of renin by the kidney into the blood. Renin cleaves from angiotensinogen a terminal decapeptide, angiotensin I. This is further altered by the enzymatic removal of a dipeptide to form angiotensin II.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	532198
NCBI GeneID	183
UniProt Accession #	P01019
NCBI Official Full Name	angiotensinogen
NCBI Official Synonym Full Names	angiotensinogen
NCBI Official Symbol	AGT
NCBI Official Synonym Symbols	ANHU; hFLT1; 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
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.