

## Human Angiotensinogen ELISA Kit | AGT elisa kit

Human Angiotensinogen ELISA Kit

CATALOG #  
**AAA84740**

REACTIVITY  
**Human**

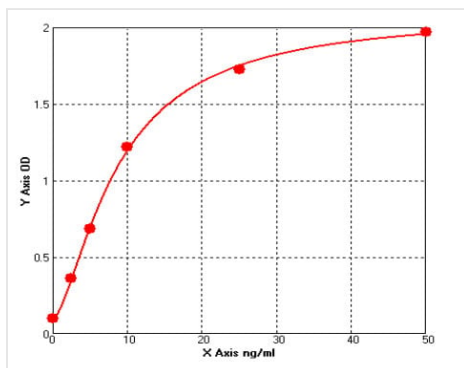
### PRODUCT SYNONYMS

Angiotensinogen; Human Angiotensinogen ELISA Kit; 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AGT and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive or Sandwich                                                                                                                                                                                                                                                                                                                                                  |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                            |
| Sensitivity             | 0.1 ng/mL                                                                                                                                                                                                                                                                                                                                                                             |
| Intended Uses           | This AGT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AGT. This ELISA kit for research use only, not for therapeutic applications!                                                                                                                                                                                                  |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for AGT elisa kit | <p>Principle of the Assay: AGT ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for AGT. Standards or samples are then added to the microtiter plate wells and AGT if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of AGT present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for AGT are added to each well to "sandwich" the AGT immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain AGT and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AGT concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This AGT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AGT. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
| Product Categories/Family for AGT elisa kit   | Cardiovascular                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 532198                                                                                                                                                         |
| NCBI GeneID                      | 183                                                                                                                                                            |
| Molecular Weight                 | 53,154 Da                                                                                                                                                      |
| NCBI Official Full Name          | angiotensinogen                                                                                                                                                |
| 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.