

## Human A disintegrin and metalloproteinase with thrombospondin motifs 14 (ADAMTS14) ELISA Kit | ADAMTS14 elisa kit

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|-------------------------------|----------------------------|
| CATALOG #<br><b>AAA244656</b> | REACTIVITY<br><b>Human</b> |
|-------------------------------|----------------------------|

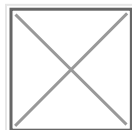
### PRODUCT SYNONYMS

A disintegrin and metalloproteinase with thrombospondin motifs 14 (ADAMTS14); Human A disintegrin and metalloproteinase with thrombospondin motifs 14 (ADAMTS14) ELISA Kit; ADAMTS14 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of ADAMTS14. No significant cross-reactivity or interference between ADAMTS14 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ADAMTS14 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                             |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                           |
| Sensitivity             | 0.1 ng/ml                                                                                                                                                                                                                                                                                                                                                                                            |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                  |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

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|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for<br>ADAMTS14 elisa kit | <p>Principle of the Assay: ADAMTS14 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ADAMTS14 antibody and an ADAMTS14-HRP conjugate. The assay sample and buffer are incubated together with ADAMTS14-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ADAMTS14 concentration since ADAMTS14 from samples and ADAMTS14-HRP conjugate compete for the anti-ADAMTS14 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADAMTS14 from the sample, fewer sites are left to bind ADAMTS14-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADAMTS14 concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This ADAMTS14 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ADAMTS14. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
| Product Categories/Family for<br>ADAMTS14 elisa kit   | Cardiovascular                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 110611167                                                                                                                                                                                                                                |
| NCBI GeneID                      | 140766                                                                                                                                                                                                                                   |
| NCBI Accession #                 | NP_631894.2                                                                                                                                                                                                                              |
| NCBI GenBank Nucleotide #        | NM_139155.2                                                                                                                                                                                                                              |
| Molecular Weight                 | 134,205 Da                                                                                                                                                                                                                               |
| NCBI Official Full Name          | A disintegrin and metalloproteinase with thrombospondin motifs 14 isoform 1 preproprotein                                                                                                                                                |
| NCBI Official Synonym Full Names | ADAM metallopeptidase with thrombospondin type 1 motif, 14                                                                                                                                                                               |
| NCBI Official Symbol             | ADAMTS14                                                                                                                                                                                                                                 |
| NCBI Protein Information         | A disintegrin and metalloproteinase with thrombospondin motifs 14; ADAM-TS14; ADAMTS-14; ADAM-TS 14; metalloprotease-disintegrin protease; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 14 |
| UniProt Protein Name             | A disintegrin and metalloproteinase with thrombospondin motifs 14                                                                                                                                                                        |
| UniProt Gene Name                | ADAMTS14                                                                                                                                                                                                                                 |
| UniProt Synonym Gene Names       | ADAM-TS 14; ADAM-TS14; ADAMTS-14                                                                                                                                                                                                         |
| UniProt Entry Name               | ATS14_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/a-disintegrin-and-metalloproteinase-with-thrombospondin-motifs-14-adamts14/244656>