

## Rabbit Stromelysin-2 ELISA Kit | ST2 elisa kit

Rabbit Stromelysin-2 ELISA Kit

CATALOG #  
**AAA90440**

REACTIVITY  
**Rabbit**

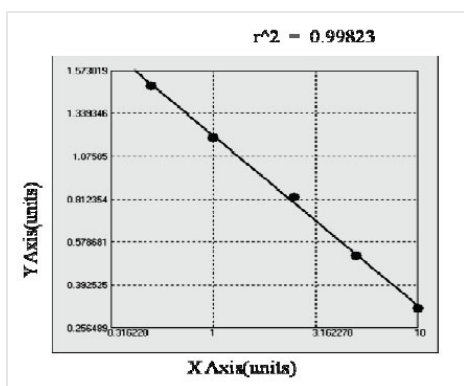
### PRODUCT SYNONYMS

Stromelysin-2; Rabbit Stromelysin-2 ELISA Kit; ST2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Rabbit                                                                     |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Sensitivity             | 0.1 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C                                         |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

**Related Product Information for ST2 elisa kit**
**For samples:** Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

**INTENDED USE** This ST2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit ST2. This ELISA kit for research use only!

**PRINCIPLE OF THE ASSAY** ST2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ST2 antibody and an ST2-HRP conjugate. The assay sample and buffer are incubated together with ST2-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 ST2 concentration since ST2 from samples and ST2-HRP conjugate compete for the anti-ST2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ST2 from the sample, fewer sites are left to bind ST2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ST2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4505205                                                                                                                                                         |
| NCBI GeneID                      | 4319                                                                                                                                                            |
| NCBI Accession #                 | NP_002416.1                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_002425.2                                                                                                                                                     |
| UniProt Accession #              | P09238; Q53HH9; B2R9X9                                                                                                                                          |
| Molecular Weight                 | 54,151 Da                                                                                                                                                       |
| NCBI Official Full Name          | stromelysin-2 preproprotein                                                                                                                                     |
| NCBI Official Synonym Full Names | matrix metalloproteinase 10 (stromelysin 2)                                                                                                                     |
| NCBI Official Symbol             | MMP10                                                                                                                                                           |
| NCBI Official Synonym Symbols    | SL-2; STMY2                                                                                                                                                     |
| NCBI Protein Information         | stromelysin-2; MMP-10; transin 2; transin-2; stromelysin 2; matrix metalloprotease 10; matrix metalloproteinase-10; matrix metalloproteinase 10 (stromelysin 2) |
| UniProt Protein Name             | Stromelysin-2                                                                                                                                                   |
| UniProt Gene Name                | <b>MMP10</b>                                                                                                                                                    |
| UniProt Synonym Gene Names       | STMY2; SL-2; MMP-10                                                                                                                                             |
| UniProt Entry Name               | MMP10_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/st2-rabbit-elisa-kits/stromelysin-2/90440>