

## Human Serine protease ELISA Kit | PRSS elisa kit

Human Serine protease ELISA Kit

CATALOG #  
**AAA85368**

REACTIVITY  
**Human**

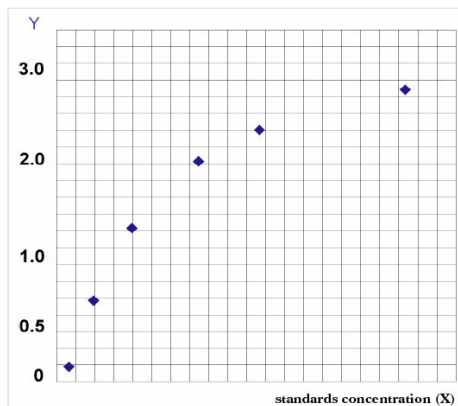
### PRODUCT SYNONYMS

Serine protease; Human Serine protease ELISA Kit; PRSS elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Detection Range         | 2.5-50ng/mL                                                                |
| Sensitivity             | 0.1ng/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 PRSS elisa kit | <p><b>Intended Uses:</b> This PRSS ELISA kit is intended Laboratory for research use only.The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of PRSS in the sample, this PRSS ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus PRSS concentration. The concentration of PRSS in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p><b>Principle of the Assay:</b> This PRSS enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for PRSS. Standards or samples are then added to the microtiter plate wells and PRSS if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PRSS present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for PRSS are added to each well to "sandwich" the PRSS immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period.Only those wells that contain PRSS and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.</p> |
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NCBI AND UNIPROT INFORMATION

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|---------------------------|-----------------|
| NCBI GI #                 | 494981298       |
| NCBI Accession #          | WP_007707322.1  |
| NCBI GenBank Nucleotide # | WP_007707322.1  |
| Molecular Weight          | 66,022 Da       |
| NCBI Official Full Name   | serine protease |
| UniProt Protein Name      | Protease 4      |
| UniProt Entry Name        | J2LC76_9SPHN    |

**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.