

## Chicken Serine protease ELISA Kit | PRSS elisa kit

Chicken Serine protease ELISA Kit

CATALOG #  
**AAA97123**

REACTIVITY  
**Chicken**

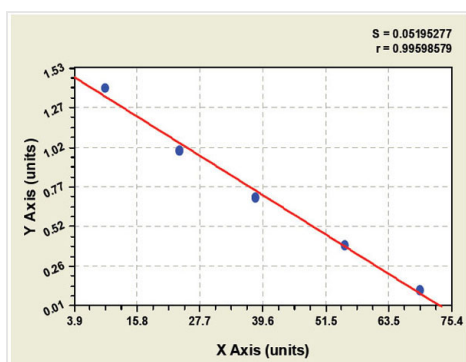
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Chicken                                                                    |
| 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 PRSS elisa kit

**Intended Uses:** This PRSS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken PRSS. This ELISA kit for research use only!

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

#### Product Categories/Family for PRSS elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

|                           |                 |
|---------------------------|-----------------|
| 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.

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