

Chicken Protease, Serine 12 ELISA Kit | PRSS12 elisa kit

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CATALOG #
AAA89512

REACTIVITY
Chicken

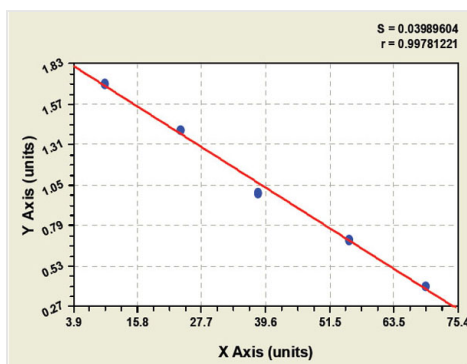
PRODUCT SYNONYMS

Protease; Serine 12; Chicken Protease; Serine 12 ELISA Kit; PRSS12 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.
Intended Uses	This PRSS12 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken PRSS12. 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 C)

ADDITIONAL INFORMATION

Related Product Information for
PRSS12 elisa kit

Principle of the Assay: PRSS12 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PRSS12 antibody and an PRSS12-HRP conjugate. The assay sample and buffer are incubated together with PRSS12-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 PRSS12 concentration since PRSS12 from samples and PRSS12-HRP conjugate compete for the anti-PRSS12 antibody binding site. Since the number of sites is limited, as more sites are occupied by PRSS12 from the sample, fewer sites are left to bind PRSS12-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRSS12 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PRSS12
elisa kit

Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	14043559
NCBI GeneID	8492
UniProt Accession #	Q96I80; P56730
Molecular Weight	55,659 Da
NCBI Official Full Name	PRSS12 protein
NCBI Official Synonym Full Names	protease, serine, 12 (neurotrypsin, motopsin)
NCBI Official Symbol	PRSS12
NCBI Official Synonym Symbols	MRT1; BSSP3; BSSP-3
NCBI Protein Information	neurotrypsin; leydin; brain-specific serine protease 3
UniProt Protein Name	PRSS12 protein
UniProt Entry Name	Q96I80_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/prss12-chicken-elisa-kits/protease-serine-12/89512>