

Canine Protease, Serine 12 ELISA Kit | PRSS12 elisa kit

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CATALOG #
AAA90182

REACTIVITY
Canine

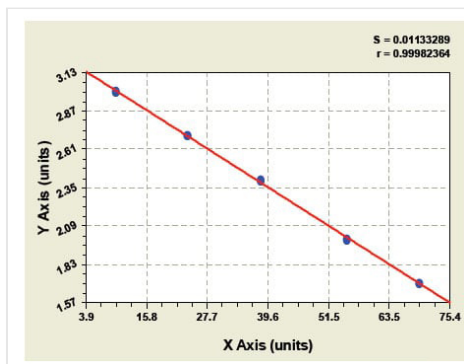
PRODUCT SYNONYMS

Protease; Serine 12; Canine Protease; Serine 12 ELISA Kit; PRSS12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRSS12 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This PRSS12 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PRSS12. This ELISA kit for research use only! 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14043559
NCBI GeneID	8492
Molecular Weight	97,067 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	Neurotrypsin
UniProt Gene Name	PRSS12
UniProt Entry Name	NETR_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.