

Rat Protease, Serine 1 ELISA Kit | PRSS1 elisa kit

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CATALOG #
AAA16614

REACTIVITY
Rat

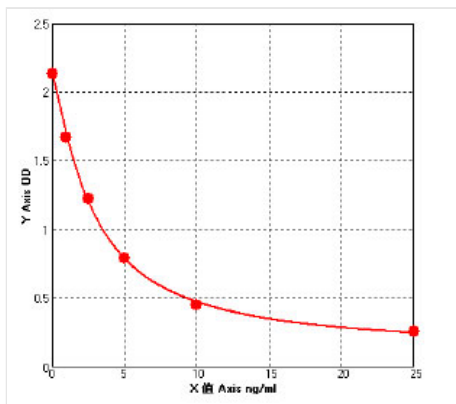
PRODUCT SYNONYMS

Protease; Serine 1; Rat Protease; Serine 1 ELISA Kit; PRSS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PS1. No significant cross-reactivity or interference between PS1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PS1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative 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 PRSS1 elisa kit	Intended Uses: This PS1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PS1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PS1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PS1 antibody and an PS1-HRP conjugate. The assay sample and buffer are incubated together with PS1-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 PS1 concentration since PS1 from samples and PS1-HRP conjugate compete for the anti-PS1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PS1 from the sample, fewer sites are left to bind PS1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PS1 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74355190
NCBI GeneID	5644
Molecular Weight	26,558 Da
NCBI Official Full Name	PRSS1 protein
NCBI Official Synonym Full Names	protease, serine, 1 (trypsin 1)
NCBI Official Symbol	PRSS1
NCBI Official Synonym Symbols	TRP1; TRY1; TRY4; TRYP1
NCBI Protein Information	trypsin-1; beta-trypsin; trypsinogen 1; trypsinogen A; digestive zymogen; cationic trypsinogen; nonfunctional trypsin 1
UniProt Protein Name	Trypsin-1
UniProt Gene Name	PRSS1
UniProt Synonym Gene Names	TRP1; TRY1; TRYP1
UniProt Entry Name	TRY1_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/prss1-rat-elisa-kits/protease-serine-1/16614>