

Rat Protease, Serine 1 (PRSS1) ELISA Kit | PRSS1 elisa kit

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CATALOG #
AAA183162

REACTIVITY
Rat

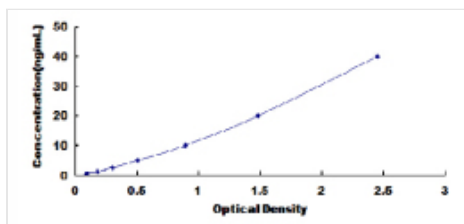
PRODUCT SYNONYMS

Protease; Serine 1 (PRSS1); Rat Protease; Serine 1 (PRSS1) ELISA Kit; TRP1; TRY1; TRY4; TRYP1; Trypsin 1; Cationic Trypsinogen; Beta-trypsin; Serine protease 1; Trypsin I; PRSS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Protease, Serine 1 (PRSS1). No significant cross-reactivity or interference between Protease, Serine 1 (PRSS1) and analogues was observed.
Sequence Length	247
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and Other Biological Fluids
Detection Range	0.625-40ng/mL
Sensitivity	< 0.245ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Protease, Serine 1 (PRSS1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Protease, Serine 1 (PRSS1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRSS1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Protease, Serine 1 (PRSS1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Protease, Serine 1 (PRSS1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Protease, Serine 1 (PRSS1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Protease, Serine 1 (PRSS1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51094518
NCBI GeneID	5644
Molecular Weight	26,558 Da
NCBI Official Full Name	protease, serine, 1 (trypsin 1)
NCBI Official Synonym Full Names	protease, serine 1
NCBI Official Symbol	PRSS1
NCBI Official Synonym Symbols	TRP1; TRY1; TRY4; TRYP1
NCBI Protein Information	trypsin-1
UniProt Protein Name	Trypsin-1
UniProt Gene Name	PRSS1
UniProt Synonym Gene Names	TRP1; TRY1; TRYP1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/protease-serine-1-prss1/183162>