

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

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CATALOG #
AAA64040

REACTIVITY
Rat

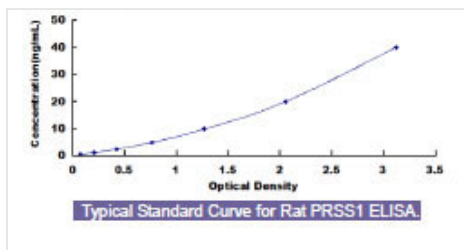
PRODUCT SYNONYMS

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 PRSS1. No significant cross-reactivity or interference between PRSS1 and analogues was observed.
Sequence Length	246
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.625-40ng/mL
Sensitivity	0.245ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PRSS1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PRSS1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRSS1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PRSS1 in rat serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PRSS1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 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 #	6981420
NCBI GeneID	24691
NCBI Accession #	NP_036767.1
NCBI GenBank Nucleotide #	NM_012635.1
UniProt Accession #	P00762
Molecular Weight	25,959 Da
NCBI Official Full Name	anionic trypsin-1
NCBI Official Synonym Full Names	protease, serine 1
NCBI Official Symbol	Prss1
NCBI Official Synonym Symbols	Try1; PTRYI; RATPTRYI
NCBI Protein Information	anionic trypsin-1
UniProt Protein Name	Anionic trypsin-1
UniProt Gene Name	Prss1
UniProt Synonym Gene Names	Try1

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.