

Human Protease, Serine 50 (PRSS50) ELISA Kit | PRSS50 elisa kit

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CATALOG #
AAA67727

REACTIVITY
Human

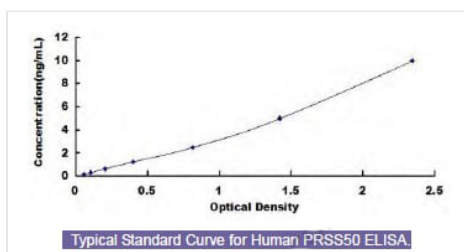
PRODUCT SYNONYMS

Protease; Serine 50 (PRSS50); Human Protease; Serine 50 (PRSS50) ELISA Kit; PRSS50 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PRSS50. No significant cross-reactivity or interference between PRSS50 and analogues was observed.
Sequence Length	385
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.062ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PRSS50 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 PRSS50 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 PRSS50 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PRSS50 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PRSS50. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PRSS50. 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 PRSS50, 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 PRSS50 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 #	7019563
NCBI GeneID	29122
NCBI Accession #	NP_037402.1
NCBI GenBank Nucleotide #	NM_013270.4
UniProt Accession #	Q9UI38
Molecular Weight	43,088 Da
NCBI Official Full Name	probable threonine protease PRSS50
NCBI Official Synonym Full Names	protease, serine 50
NCBI Official Symbol	PRSS50
NCBI Official Synonym Symbols	CT20; TSP50
NCBI Protein Information	probable threonine protease PRSS50
UniProt Protein Name	Probable threonine protease PRSS50
UniProt Gene Name	PRSS50
UniProt Synonym Gene Names	CT20; TSP50

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/human-elisa-kits/protease-serine-50-prss50/67727>