

Human Protease, Serine 1 ELISA Kit | PRSS1 elisa kit

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CATALOG #
AAA85807

REACTIVITY
Human

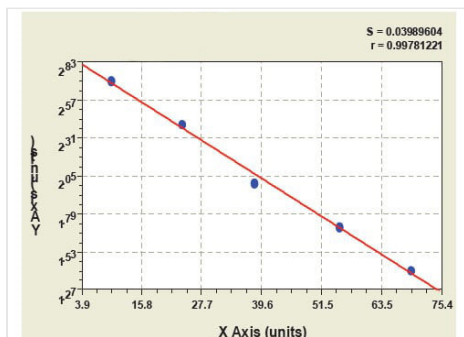
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500 U/L
Sensitivity	1.0U/L
Intended Uses	This PRSS1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PRSS1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRSS1 elisa kit

Principle of the Assay: PRSS1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PRSS1 antibody and an PRSS1-HRP conjugate. The assay sample and buffer are incubated together with PRSS1-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 PRSS1 concentration since PRSS1 from samples and PRSS1-HRP conjugate compete for the anti-PRSS1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PRSS1 from the sample, fewer sites are left to bind PRSS1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRSS1 concentration in each sample is interpolated from this standard curve.

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-human-elisa-kits/protease-serine-1/85807>