

Human Trypsin-1 ELISA Kit | PRSS1 elisa kit

Human Trypsin-1 ELISA Kit

CATALOG #
AAA102469

REACTIVITY
Human

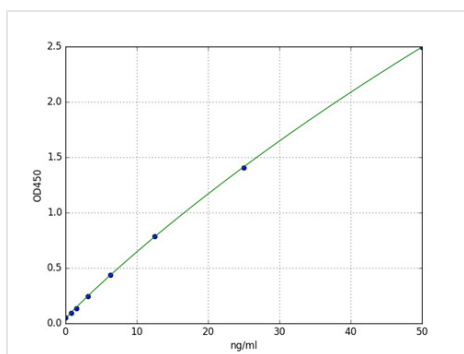
PRODUCT SYNONYMS

Trypsin-1; Human Trypsin-1 ELISA Kit; PRSS1 (Protease; Serine; 1)/PTRYI/TRY4/Trygn16/Trypsinogen 1/Beta-trypsin/Cationic trypsinogen/digestive zymogen/nonfunctional trypsin 1/protease; serine; 1 (trypsin 1)/Serine protease 1/TRP1/TRY1/TRYP1/Trypsin I/trypsin-1/trypsinogen 1/trypsinogen A; PRSS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	247
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a Human PRSS1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.781	1.563	3.125	6.25	12.5	25	50
Y	OD450	0.050	0.097	0.130	0.245	0.426	0.834	1.541	2.373

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRSS1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human PRSS1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human PRSS1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human PRSS1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human PRSS1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506145
NCBI GeneID	5644
NCBI Accession #	NP_002760.1
NCBI GenBank Nucleotide #	NM_002769.4
Molecular Weight	26,558 Da
NCBI Official Full Name	trypsin-1 preproprotein
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
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/trypsin-1/102469>