

Human Prostasin ELISA Kit | PRSS8 elisa kit

Human Prostasin PicoKine ELISA Kit

CATALOG #
AAA45991

REACTIVITY
Human

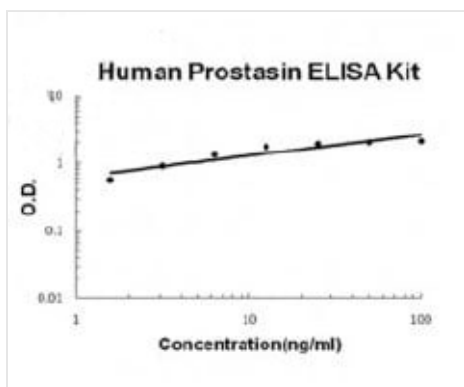
PRODUCT SYNONYMS

Prostasin; Human Prostasin PicoKine ELISA Kit; protease; serine; 8; 2410039E18Rik; AI313909; C79772; CAP1; Channel Activating Protease 1; mCAP1; Prostasin heavy chain; Prss8; PRSS8_HUMAN; Serine protease 8; PRSS8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human Prostasin
Sequence Length	343
Assay Type	Quantitative Sandwich
Detection Range	1.56ng/ml-100ng/ml
Sensitivity	<50pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRSS8 elisa kit	Principle of the Assay: Human Prostatic ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A polyclonal antibody from sheep specific for Prostatic has been precoated onto 96-well plates. Standards(Expression system for standard: CHO; Immunogen sequence: A33-G319) and test samples are added to the wells, a biotinylated detection polyclonal antibody from sheep specific for Prostatic is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 Prostatic amount of sample captured in plate. Background: Prostatic is a protein that in humans is encoded by the PRSS8 gene. It is a single-copy gene and mapped to 16p11.2. Prostatic is likely to be the more physiologically relevant protease. This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. Coexpression of Prostatic with either Xenopus or rat ENaC in Xenopus oocytes resulted in a 60% to 80% increase in amiloride-sensitive sodium currents, and that the addition of aprotinin, a serine protease inhibitor, completely prevented this activation. This enzyme is highly expressed in prostate epithelia and is one of several proteolytic enzymes found in seminal fluid. The proprotein is cleaved to produce a light chain and a heavy chain which are associated by a disulfide bond. It is active on peptide linkages involving the carboxyl group of lysine or arginine.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2833277
NCBI GeneID	5652
UniProt Accession #	Q16651; Q9UCA3; B4DWP2
Molecular Weight	30,519 Da
NCBI Official Full Name	Prostatic
NCBI Official Synonym Full Names	protease, serine, 8
NCBI Official Symbol	PRSS8
NCBI Official Synonym Symbols	CAP1; PROSTATIC
NCBI Protein Information	prostatic; serine protease 8; channel-activating protease 1
UniProt Protein Name	Prostatic
UniProt Gene Name	PRSS8
UniProt Synonym Gene Names	CAP1
UniProt Entry Name	PRSS8_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.