

Human Prostasin (PRSS8) ELISA Kit | PRSS8 elisa kit

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CATALOG #
AAA331282

REACTIVITY
Human

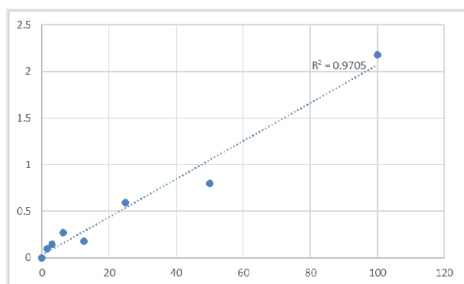
PRODUCT SYNONYMS

Prostasin (PRSS8); Human Prostasin (PRSS8) ELISA Kit; PRSS8; CAP1; PROSTASIN; channel-activating protease 1; prostasin; PRSS8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Prostasin (PRSS8) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRSS8. No significant cross-reactivity or interference between Human PRSS8 and analogues was observed.
Sequence Length	313
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Prostasin (PRSS8) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRSS8 elisa kit	Description: This Human Prostatic (PRSS8) ELISA Kit employs a two-site sandwich ELISA to quantitate PRSS8 in samples. An antibody specific for PRSS8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRSS8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRSS8 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PRSS8 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PRSS8 encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is highly expressed in prostate epithelia and is one of several proteolytic enzymes found in seminal fluid. The 3-prime end of the cDNA was obtained by the RACE method. A 1.8-kb cDNA sequence was assembled encoding a predicted protein of 343 amino acids which contains a 32-amino acid signal peptide. The protein, designated serine protease-8 (PRSS8), was called prostatic by the authors. The precursor, proprostatic, is cleaved between residues 12 and 13 to produce a 12-amino acid light chain and a 299-amino acid heavy chain which are associated through a disulfide bond. The predicted amino acid sequence is between 34 and 42% identical to human acrosin, plasma kallikrein, and hepsin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119572541
NCBI GeneID	5652
UniProt Accession #	Q16651
NCBI Official Full Name	protease, serine, 8 (prostatic), isoform CRA_b, partial
NCBI Official Synonym Full Names	serine protease 8
NCBI Official Symbol	PRSS8
NCBI Official Synonym Symbols	CAP1; PROSTATIC
NCBI Protein Information	prostatic
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/prostatic-prss8/331282>