

Human protease, serine, 8 ELISA Kit | PRSS8 elisa kit

Human Prostasin, PRSS8 ELISA Kit

CATALOG #
AAA112924

REACTIVITY
Human

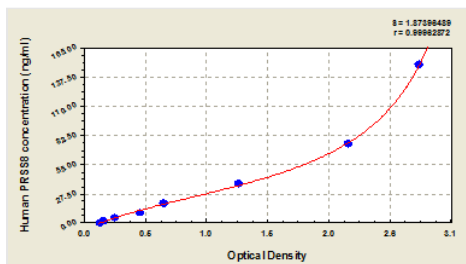
PRODUCT SYNONYMS

protease; serine; 8; Human Prostasin; PRSS8 ELISA Kit; Human Prostasin (PRSS8) ELISA kit; CAP1; PROSTASIN; channel-activating protease 1; prostasin; PRSS8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay 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	343
Samples	Serum, plasma, urine, saliva, tissue homogenates
Assay Type	Sandwich
Detection Range	2.35 ng/ml-150 ng/ml.
Sensitivity	The minimum detectable dose of human PRSS8 is typically less than 0.58 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRSS8 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. 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, avidin 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506153
NCBI GeneID	5652
NCBI Accession #	NP_002764.1
NCBI GenBank Nucleotide #	NM_002773.3
UniProt Accession #	Q16651; Q9UCA3
Molecular Weight	36,431 Da
NCBI Official Full Name	prostasin preproprotein
NCBI Official Synonym Full Names	protease, serine, 8
NCBI Official Symbol	PRSS8
NCBI Official Synonym Symbols	CAP1; PROSTASIN
NCBI Protein Information	prostasin; serine protease 8; channel-activating protease 1
UniProt Protein Name	Prostasin
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.