

Human Prostate Stem Cell Antigen (PSCA) ELISA Kit | PSCA elisa kit

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CATALOG #
AAA185897

REACTIVITY
Human

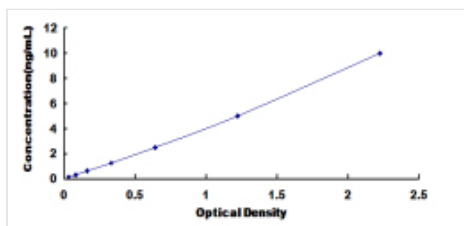
PRODUCT SYNONYMS

Prostate Stem Cell Antigen (PSCA); Human Prostate Stem Cell Antigen (PSCA) ELISA Kit; PSCA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Prostate Stem Cell Antigen (PSCA). No significant cross-reactivity or interference between Prostate Stem Cell Antigen (PSCA) and analogues was observed.
Sequence Length	123
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.063ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Prostate Stem Cell Antigen (PSCA) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Prostate Stem Cell Antigen (PSCA) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PSCA elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Prostate Stem Cell Antigen (PSCA). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Prostate Stem Cell Antigen (PSCA). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Prostate Stem Cell Antigen (PSCA), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Prostate Stem Cell Antigen (PSCA) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	289547757
NCBI GeneID	8000
NCBI Accession #	NP_005663.2
NCBI GenBank Nucleotide #	NM_005672.4
UniProt Accession #	O43653; Q6UW92
Molecular Weight	12,912 Da
NCBI Official Full Name	prostate stem cell antigen preproprotein
NCBI Official Synonym Full Names	prostate stem cell antigen
NCBI Official Symbol	PSCA
NCBI Official Synonym Symbols	PRO232
NCBI Protein Information	prostate stem cell antigen
UniProt Protein Name	Prostate stem cell antigen
UniProt Gene Name	PSCA

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.