

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

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CATALOG #
AAA331273

REACTIVITY
Human

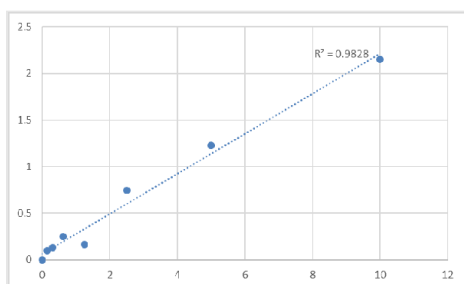
PRODUCT SYNONYMS

Prostate Stem Cell Antigen (PSCA); Human Prostate Stem Cell Antigen (PSCA) ELISA Kit; PSCA; PRO232; PSCA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Prostate stem cell antigen (PSCA) ELISA Kit has high sensitivity and excellent specificity for detection of Human PSCA. No significant cross-reactivity or interference between Human PSCA and analogues was observed.
Sequence Length	123
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 Prostate stem cell antigen (PSCA) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PSCA elisa kit	Description: This Human Prostate stem cell antigen (PSCA) ELISA Kit employs a two-site sandwich ELISA to quantitate PSCA in samples. An antibody specific for PSCA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PSCA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PSCA 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 PSCA bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Prostate stem cell antigen is a glycosylphosphatidylinositol-anchored cell membrane glycoprotein. In addition to being highly expressed in the prostate it is also expressed in the bladder, placenta, colon, kidney, and stomach. This gene is up-regulated in a large proportion of prostate cancers and is also detected in cancers of the bladder and pancreas. This gene has a nonsynonymous nucleotide polymorphism at its start codon. Highly expressed in prostate. Also found in bladder, placenta, stomach, colon and kidney. Overexpressed in prostate cancers and expression is correlated with tumor stage, grade and androgen-independence. Highly expressed in prostate cancer bone metastases. Expressed in gastric epithelial cells, mainly in the isthmus (at protein level). Not detected in normal intestinal epithelium (at protein level).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10720240
UniProt Accession #	O43653
NCBI Official Full Name	Prostate stem cell antigen
UniProt Protein Name	Prostate stem cell antigen
UniProt Gene Name	PSCA
UniProt Entry Name	PSCA_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://www.aaabiotech.com/human-elisa-kits/prostate-stem-cell-antigen-psca/331273>