

Porcine Complex prostate specific antigen ELISA Kit | Cpsa elisa kit

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CATALOG #
AAA93885

REACTIVITY
Porcine

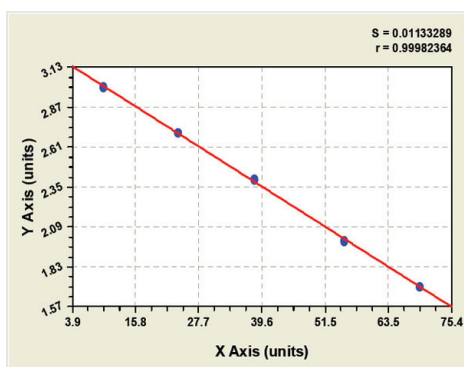
PRODUCT SYNONYMS

Complex prostate specific antigen; Porcine Complex prostate specific antigen ELISA Kit; Cpsa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cpsa elisa kit

Intended Uses: This Cpsa ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine Cpsa. This ELISA kit for research use only!

Principle of the Assay: Cpsa ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Cpsa antibody and an Cpsa-HRP conjugate. The assay sample and buffer are incubated together with Cpsa-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Cpsa concentration since Cpsa from samples and Cpsa-HRP conjugate compete for the anti-Cpsa antibody binding site. Since the number of sites is limited, as more sites are occupied by Cpsa from the sample, fewer sites are left to bind Cpsa-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Cpsa concentration in each sample is interpolated from this standard curve.

Product Categories/Family for Cpsa elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	24370944
NCBI GeneID	354
UniProt Accession #	Q8IXI4; Q15096; Q16272; Q86TG8; C9JXH3; G3V0H4; G3XAE3; P07288
Molecular Weight	25,116 Da
NCBI Official Full Name	prostate specific antigen
NCBI Official Synonym Full Names	kallikrein-related peptidase 3
NCBI Official Symbol	KLK3
NCBI Official Synonym Symbols	APS; PSA; hK3; KLK2A1
NCBI Protein Information	prostate-specific antigen; seminin; P-30 antigen; kallikrein-3; semenogelase; gamma-seminoprotein; prostate specific antigen
UniProt Protein Name	Prostate-specific antigen
UniProt Gene Name	KLK3
UniProt Synonym Gene Names	APS; PSA; Semin
UniProt Entry Name	KLK3_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/cpsa-porcine-elisa-kits/complex-prostate-specific-antigen/93885>