

Canine Complex prostate specific antigen ELISA Kit | Cpsa elisa kit

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CATALOG #
AAA96311

REACTIVITY
Canine

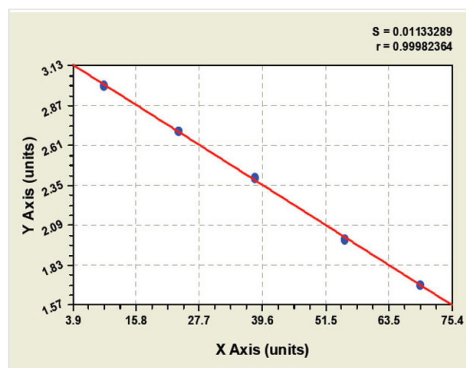
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This Cpsa ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine Cpsa. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cpsa elisa kit

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.

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-canine-elisa-kits/complex-prostate-specific-antigen/96311>