

Canine Prostate specific antigen ELISA Kit | PSA elisa kit

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CATALOG #
AAA89362

REACTIVITY
Canine

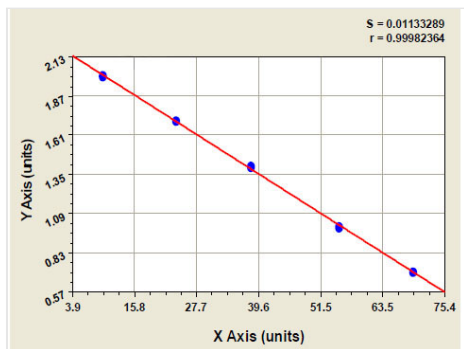
PRODUCT SYNONYMS

Prostate specific antigen; Canine Prostate specific antigen ELISA Kit; PSA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This PSA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PSA. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PSA elisa kit

Principle of the Assay: PSA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PSA antibody and an PSA-HRP conjugate. The assay sample and buffer are incubated together with PSA-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 PSA concentration since PSA from samples and PSA-HRP conjugate compete for the anti-PSA antibody binding site. Since the number of sites is limited, as more sites are occupied by PSA from the sample, fewer sites are left to bind PSA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PSA concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502173
NCBI GeneID	354
NCBI Accession #	NP_001639.1
NCBI GenBank Nucleotide #	NM_001648.2
Molecular Weight	25,116 Da
NCBI Official Full Name	prostate-specific antigen isoform 1 preproprotein
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.