

Bovine Prostate specific antigen ELISA Kit | PSA elisa kit

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CATALOG #
AAA92047

REACTIVITY
Bovine

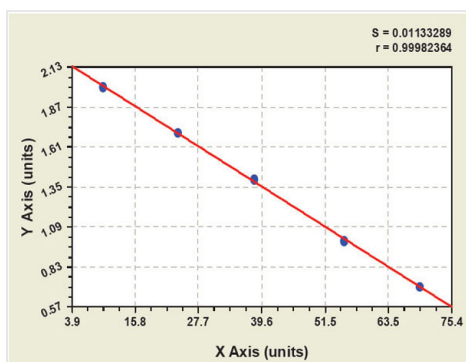
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This PSA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine 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.

Product Categories/Family for PSA elisa kit

Neurobiology

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.

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Online datasheet: <https://stage.aaabiotech.com/psa-bovine-ovine-elisa-kits/prostate-specific-antigen/92047>