

Mouse Prostate specific antigen ELISA Kit | PSA elisa kit

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CATALOG #
AAA86059

REACTIVITY
Mouse

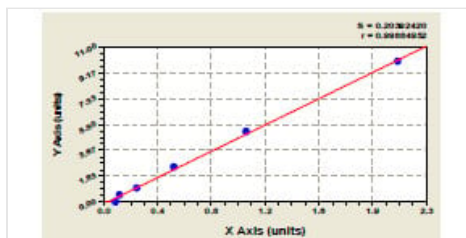
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for PSA elisa kit

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

Principle of the Assay: PSA ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PSA. Standards or samples are then added to the microtiter plate wells and PSA if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PSA present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for PSA are added to each well to "sandwich" the PSA immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PSA and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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-mouse-elisa-kits/prostate-specific-antigen/86059>