

Human PSA ELISA Kit | PSA elisa kit

PSA (Total) ELISA

CATALOG # AAA72613	REACTIVITY Human
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PRODUCT SYNONYMS

PSA; PSA (Total) ELISA; PSA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	261
Samples	Human serum
Assay Type	Sandwich
Preparation and Storage	2 - 8 degree C

ADDITIONAL INFORMATION

Related Product Information for PSA elisa kit	Intended Uses: The PSA ELISA Kit is intended for the determination of PSA in human serum. For research use only Principle of the Assay: The PSA ELISA test is a solid phase assay based on a streptavidin-biotin principle. The standards, samples and a reagent mixture of anti-PSA enzyme and biotin conjugates (conjugate reagent) are added into the wells that are coated with streptavidin. PSA in the serum forms a sandwich between two highly specific anti-PSA antibodies, labeled with biotin and HRP. Simultaneously, the biotinylated antibody is immobilized onto the wells through a high affinity streptavidin-biotin interaction. Unbound protein and excess biotin/enzyme conjugated reagent are washed off by washing buffer. Upon addition of the substrate, the intensity of the color developed is directly proportional to the concentration of PSA in the samples. A standard curve is prepared relating color intensity to the concentration of the PSA.
Product Categories/Family for PSA elisa kit	Oncology ; Research Assays ; Assay Categories
References	Combined tests of prostate specific antigen and testosterone will improve diagnosis and monitoring the progression of prostate cancer. Song W, Soni V, Khera M (2015)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502173
NCBI GeneID	354
NCBI Accession #	NP_001639.1
NCBI GenBank Nucleotide #	NM_001648.2
UniProt Accession #	P07288 ; Q15096 ; Q16272 ; Q86TG8 ; Q8IXI4 ; C9JXH3 ; G3V0H4 ; G3XAE3
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; P-30 antigen; gamma-seminoprotein; kallikrein-3; prostate specific antigen; semenogelase; seminin
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://www.aaabiotech.com/human-elisa-kits/psa/72613>