

ARG82977 Human PSA ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82977 Human PSA ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human PSA in serum, plasma, cell culture supernatant samples.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	PSA
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	3.15 ng/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	6.25 - 400 ng/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	Prostate-specific antigen; Gamma-seminoprotein; APS; PSA; EC 3.4.21.77; Kallikrein-3; P-30 antigen; Semenogelase; hK3; Semin; KLK2A1

Application Instructions

Assay Time	~ 4 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	KLK3
Gene Full Name	kallikrein-related peptidase 3
Background	Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its protein product is a protease present in seminal plasma. It is thought to function normally in the liquefaction of seminal coagulum, presumably by hydrolysis of the high molecular mass seminal vesicle protein. Serum level of this protein, called PSA in the clinical setting, is

useful in the diagnosis and monitoring of prostatic carcinoma. Alternate splicing of this gene generates several transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

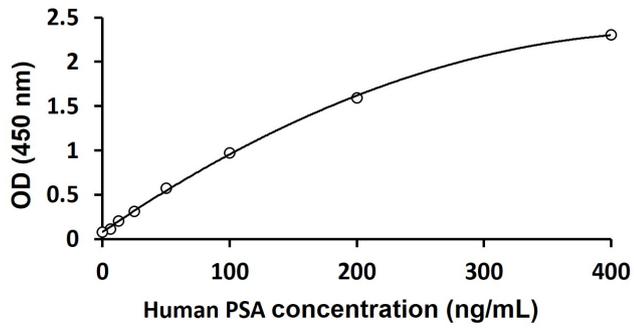
Function

Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal coagulum. [UniProt]

Research Area

Cancer antibody; Controls and Markers antibody; Neuroscience antibody; Signaling Transduction antibody

Images



ARG82977 Human PSA ELISA Kit standard curve image

ARG82977 Human PSA ELISA Kit results of a typical standard run with optical density reading at 450 nm.
