

Human PSA (ProstateSpecific Antigen) ELISA Kit | PSA elisa kit

EasyStep Human PSA (ProstateSpecific Antigen) ELISA Kit

CATALOG #
AAA277587

REACTIVITY
Human

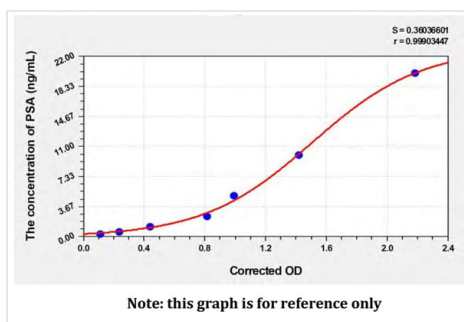
PRODUCT SYNONYMS

PSA (ProstateSpecific Antigen); EasyStep Human PSA (ProstateSpecific Antigen) ELISA Kit; KLK3; APS; KLK2A1; hK3; Kallikrein-3; Kallikrein-Related Peptidase 3; Gamma-seminoprotein; PSA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PSA. No significant cross-reactivity or interference between Human PSA and analogues was observed.
Assay Type	Sandwich
Detection Range	0.32-20 ng/mL
Sensitivity	80 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PSA elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human PSA, and the Human PSA standard plate wells that pre-coated using protein-related techniques are provided separately. Standard/Sample Diluent Buffer or samples are added to the appropriate microtiter plate wells, then added a HRP-conjugated antibody specific to Human PSA. After TMB substrate solution is added, only those wells that contain Human PSA and HRP-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Human PSA in the samples is then determined by comparing the OD of the samples to the standard curve.

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-prostatespecific-antigen/277587>