

## Human kallikrein-related peptidase 3 ELISA Kit | PSA elisa kit

Human prostate specific antigen, PSA ELISA Kit

CATALOG #  
**AAA15354**

REACTIVITY  
**Human**

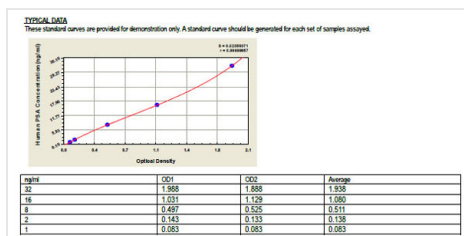
### PRODUCT SYNONYMS

kallikrein-related peptidase 3; Human prostate specific antigen; PSA ELISA Kit; APS; KLK2A1; PSA; hK3; P-30 antigen; gamma-seminoprotein; prostate specific antigen; semenogelase; semin; 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. |
| Sequence Length         | 238                                                                                                                                                                                 |
| Assay Type              | Quantitative Sandwich                                                                                                                                                               |
| Samples                 | Serum, plasma, tissue homogenates                                                                                                                                                   |
| Detection Range         | 0.312 ng/ml-20 ng/ml                                                                                                                                                                |
| Sensitivity             | < 0.078 ng/ml                                                                                                                                                                       |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                    |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                             |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PSA elisa kit

**Principle of the Assay:** This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PSA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PSA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PSA is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PSA bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 71834853                                                                                                                     |
| NCBI GeneID                      | 354                                                                                                                          |
| NCBI Accession #                 | NP_001025218.1                                                                                                               |
| NCBI GenBank Nucleotide #        | NM_001030047.1                                                                                                               |
| UniProt Accession #              | P07288; Q15096; Q16272; Q86TG8; Q8IXI4; C9JXH3; G3V0H4; G3XAE3                                                               |
| Molecular Weight                 | 28,741 Da                                                                                                                    |
| NCBI Official Full Name          | prostate-specific antigen isoform 3 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/psa-human-elisa-kits/kallikrein-related-peptidase-3/15354>