

## Human kallikrein-related peptidase 7 ELISA Kit | KLK7 elisa kit

Human Kallikrein 7, KLK 7 ELISA Kit

CATALOG #  
**AAA15318**

REACTIVITY  
**Human**

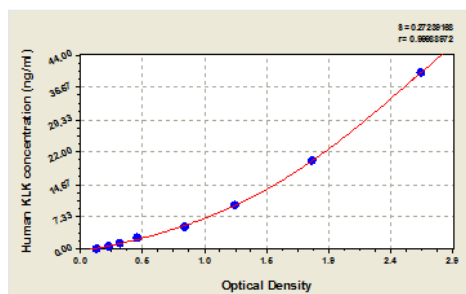
### PRODUCT SYNONYMS

kallikrein-related peptidase 7; Human Kallikrein 7; KLK 7 ELISA Kit; PRSS6; SCCE; kallikrein 7 (chymotryptic; stratum corneum) ; protease; serine; 6; signal protein; stratum corneum chymotryptic enzyme; KLK7 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                       |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of human KLK7. No significant cross-reactivity or interference between human KLK7 and analogues was observed.                                                                                                                                                                       |
| Sequence Length         | 181                                                                                                                                                                                                                                                                                                                                                         |
| Samples                 | Serum, plasma, tissue homogenates                                                                                                                                                                                                                                                                                                                           |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                                                    |
| Detection Range         | 0.625 ng/ml -40 ng/ml.                                                                                                                                                                                                                                                                                                                                      |
| Sensitivity             | The minimum detectable dose of human KLK7 is typically less than 0.156 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations. |
| 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

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Related Product Information for KLK7 elisa kit | <b>Principle of the assay:</b> This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for KLK 7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any KLK 7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for KLK 7 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 KLK 7 bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 333609286                                                                                                                          |
| NCBI GeneID                      | 5650                                                                                                                               |
| NCBI Accession #                 | NP_001193982.1                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_001207053.1                                                                                                                     |
| UniProt Accession #              | P49862; Q8N5N9; Q8NFB7; A8K0U5                                                                                                     |
| Molecular Weight                 | 27,525 Da                                                                                                                          |
| NCBI Official Full Name          | kallikrein-7 isoform 2                                                                                                             |
| NCBI Official Synonym Full Names | kallikrein-related peptidase 7                                                                                                     |
| NCBI Official Symbol             | KLK7                                                                                                                               |
| NCBI Official Synonym Symbols    | hK7; SCCE; PRSS6                                                                                                                   |
| NCBI Protein Information         | kallikrein-7; signal protein; serine protease 6; stratum corneum chymotryptic enzyme; kallikrein 7 (chymotryptic, stratum corneum) |
| UniProt Protein Name             | Kallikrein-7                                                                                                                       |
| UniProt Gene Name                | KLK7                                                                                                                               |
| UniProt Synonym Gene Names       | PRSS6; SCCE; hK7; hSCCE                                                                                                            |
| UniProt Entry Name               | KLK7_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/klk7-human-elisa-kits/kallikrein-related-peptidase-7/15318>