

## Human KRT16 (Keratin 16) ELISA Kit | KRT16 elisa kit

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CATALOG #  
AAA272156

REACTIVITY  
Human

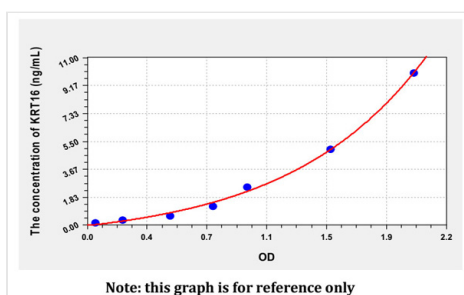
### PRODUCT SYNONYMS

KRT16 (Keratin 16); Human KRT16 (Keratin 16) ELISA Kit; CK16; NEPPK; Cytokeratin 16; Focal Non-Epidermolytic Palmoplantar Keratoderma; Keratin; type I cytoskeletal 16; KRT16 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                   |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Human KRT16. No significant cross-reactivity or interference between Human KRT16 and analogues was observed. |
| Assay Type              | Sandwich                                                                                                                                                                                |
| Detection Range         | 0.16-10 ng/mL                                                                                                                                                                           |
| Sensitivity             | 0.064 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 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.                   |
| Preparation and Storage | Store at 2-8 degree C. Stable for 6 months from date of receipt.                                                                                                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for KRT16 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 Keratin 16(KRT16). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Keratin 16(KRT16). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Keratin 16(KRT16), biotin-conjugated antibody and enzyme-conjugated Avidin 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  $\pm$  10nm. The concentration of Keratin 16(KRT16) 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://stage.aaabiotech.com/human-elisa-kits/krt16-keratin-16/272156>