

## Porcine Klotho ELISA Kit | KL elisa kit

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CATALOG #  
**AAA91575**

REACTIVITY  
**Porcine**

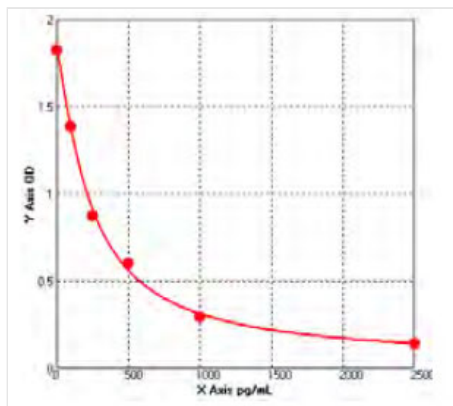
### PRODUCT SYNONYMS

Klotho; Porcine Klotho ELISA Kit; KL elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Porcine                                                                                                                                                                                                                                                                                                                                                                            |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of KL. No significant cross-reactivity or interference between KL and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between KL and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                           |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                         |
| Sensitivity             | 1.0 pg/mL                                                                                                                                                                                                                                                                                                                                                                          |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for KL elisa kit | <p>Principle of the Assay: KL ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-KL antibody and an KL-HRP conjugate. The assay sample and buffer are incubated together with KL-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the KL concentration since KL from samples and KL-HRP conjugate compete for the anti-KL antibody binding site. Since the number of sites is limited, as more sites are occupied by KL from the sample, fewer sites are left to bind KL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The KL concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This KL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine KL. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
| Product Categories/Family for KL elisa kit   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |            |
|----------------------------------|------------|
| NCBI GI #                        | 2618596    |
| NCBI GeneID                      | 9365       |
| Molecular Weight                 | 62,135 Da  |
| NCBI Official Full Name          | klotho     |
| NCBI Official Synonym Full Names | klotho     |
| NCBI Official Symbol             | KL         |
| NCBI Protein Information         | klotho     |
| UniProt Protein Name             | Klotho     |
| UniProt Gene Name                | KL         |
| UniProt Entry Name               | KLOT_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://www.aaabiotech.com/kl-porcine-elisa-kits/klotho/91575>