

## Product Datasheet

### Horse Klotho (KL) ELISA Kit (orb1146775)

<b>Description</b>	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 Klotho(KL). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Klotho(KL). 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 Klotho(KL), 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 $450\text{nm} \pm 10\text{nm}$ . The concentration of Klotho(KL) in the samples is then determined by comparing the OD of the samples to the standard curve.
<b>Reactivity</b>	Equine
<b>Range</b>	0.32-20 ng/mL
<b>Concentration</b>	20 ng/mL
<b>Note</b>	For research use only
<b>Application notes</b>	standard: 20 ng/mL. Test principle: 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 Horse KL. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Horse KL. 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 Horse KL, 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 $450\text{nm} \pm 10\text{nm}$ . The concentration of Horse KL in the samples is then determined by comparing the OD of the samples to the standard curve
<b>Sample Types</b>	Serum, plasma, tissue homogenates and other biological fluids

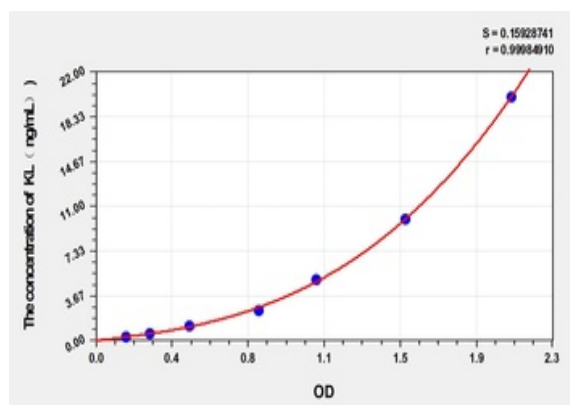
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<b>Assay Time</b>	3.5h
<b>Sensitivity</b>	0.117 ng/mL
<b>Expiration Date</b>	Please enquire.

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