

Product Datasheet

Rat Klotho Beta (KLb) ELISA Kit (orb1817335)

Description	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 Rat KLb. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat KLb. 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 Rat KLb, 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 Rat KLb in the samples is then determined by comparing the OD of the samples to the standard curve.
Reactivity	Rat
Range	15.63-1000 pg/mL
Concentration	1000 pg/mL
Note	For research use only
Application notes	standard: 1000 pg/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 Rat KLb. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat KLb. 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 Rat KLb, 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 Rat KLb in the samples is then determined by comparing the OD of the samples to the standard curve
Sample Types	Serum, plasma, tissue homogenates and other biological fluids

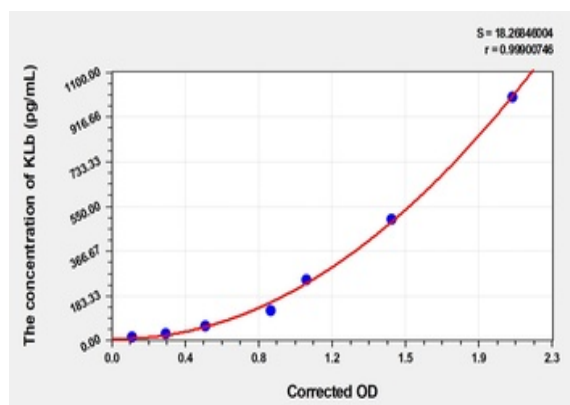
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Assay Time	3.5h
Sensitivity	6 pg/mL
Expiration Date	Please enquire.

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