Product Datasheet

Human Lon Protease Homolog, Mitochondrial (LONP1) ELISA Kit (orb1146872)

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 Lon protease homolog, mitochondrial(LONP1). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Lon protease homolog, mitochondrial(LONP1). 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 Lon protease homolog, mitochondrial(LONP1), 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 ± 10nm. The concentration of Lon protease homolog, mitochondrial(LONP1) in the samples is then determined by comparing the OD of the samples to the standard curve.
Reactivity	Human
Range	31.25-2000 pg/mL
Concentration	2000 pg/mL
Note	For research use only

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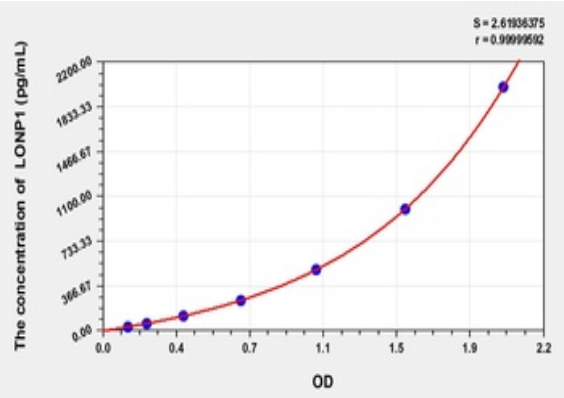
Application notes	standard: 2000 pg/mL. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human LONP1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human LONP1. 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 Human LONP1, 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 ± 10nm. The concentration of Human LONP1 in the samples is then determined by comparing the OD of the samples to the standard curve
Sample Types	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Time	3.5h
Uniprot ID	**P36776**
Sensitivity	12.2 pg/mL
Expiration Date	Please enquire.



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