

Product Datasheet

Rat Cathepsin D (CTSD) ELISA Kit (orb780096)

Catalog Number	orb780096
Category	Assays and Kits
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 Cathepsin D(CTSD).
Reactivity	Rat
Concentration	4000 pg/mL
UniProt ID	P24268
Tested applications	ELISA
Application notes	standard: 4000 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 CTSD. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat CTSD. 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 CTSD, 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 Rat CTSD in the samples is then determined by comparing the OD of the samples to the standard curve
Assay Type	Sandwich
Assay Time	3.5h
Range	62.5-4000 pg/mL

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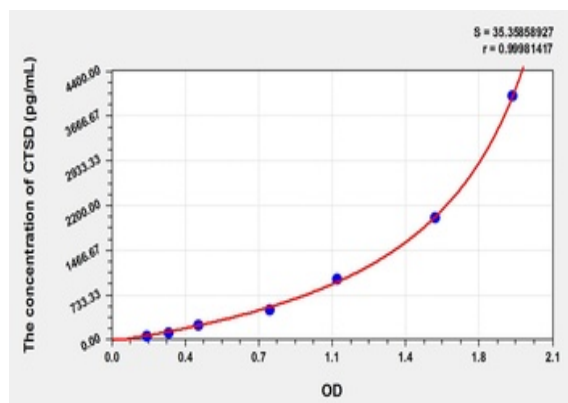
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Sensitivity 28.5 pg/mL

Sample Types Serum, plasma, tissue homogenates and other biological fluids

Note For research use only

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