

Product Datasheet

Rat CTSD(Cathepsin D) Microsample ELISA Kit (orb2997945)

Catalog Number	orb2997945
Category	Assays and Kits
Description	Rat CTSD(Cathepsin D) Microsample ELISA Kit
Reactivity	Rat
UniProt ID	P24268
Application notes	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
Sensitivity	29 pg/mL
Sample Types	Serum, plasma, tissue homogenates and other biological fluids

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Note

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