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Product Datasheet

Rat Cathepsin D (CTSD) ELISA Kit BYT-ORB780096

Article Name	Rat Cathepsin D (CTSD) ELISA Kit
Biozol Catalog Number	BYT-ORB780096
Supplier Catalog Number	orb780096
Alternative Catalog Number	BYT-ORB780096-48, BYT-ORB780096-96
Manufacturer	Biorbyt
Category	Kits/Assays
Application	ELISA
Species Reactivity	Rat
Product 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)....
Concentration	4000 pg/mL
Range	62.5-4000 pg/mL
Sensitivity	28.5 pg/mL
UniProt	P24268
Samples	Serum, plasma, tissue homogenates and other biological fluids

Application Notes

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 10nm. The concentration of Rat CTSD in the samples is then determined by comparing the OD of the samples to the standard curve