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Product Datasheet

Rat PSA(ProstateSpecific Antigen) Microsample ELISA Kit BYT-ORB2997287

Article Name	Rat PSA(ProstateSpecific Antigen) Microsample ELISA Kit
Biozol Catalog Number	BYT-ORB2997287
Supplier Catalog Number	orb2997287
Alternative Catalog Number	BYT-ORB2997287-48,BYT-ORB2997287-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Rat
Product Description	Rat PSA(ProstateSpecific Antigen) Microsample ELISA Kit...
Range	0.16-10 ng/mL
Sensitivity	0.1 ng/mL
Samples	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Application Notes

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 PSA. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat PSA. 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 PSA, 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 PSA in the samples is then determined by comparing the OD of the samples to the standard curve