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Product Datasheet

Horse Superoxide Dismutase 1, Soluble (SOD1) ELISA Kit BYT-ORB1994916

Article Name	Horse Superoxide Dismutase 1, Soluble (SOD1) ELISA Kit
Biozol Catalog Number	BYT-ORB1994916
Supplier Catalog Number	orb1994916
Alternative Catalog Number	BYT-ORB1994916-48, BYT-ORB1994916-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Equine
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 Horse SOD1. Standards or samples are added to the appropriate microtiter plate wells the...
Concentration	50 ng/mL
Range	0.78-50 ng/mL
Sensitivity	0.21 ng/mL
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Application Notes

Application Notes: standard: 50 ng/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 Horse SOD1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Horse SOD1. 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 Horse SOD1, 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 Horse SOD1 in the samples is then determined by comparing the OD of the samples to the standard curve