

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Cattle SOD1(Superoxide Dismutase 1, Soluble) ELISA Kit EBT-ELK9981

Article Name	Cattle SOD1(Superoxide Dismutase 1, Soluble) ELISA Kit
Biozol Catalog Number	EBT-ELK9981
Supplier Catalog Number	ELK9981
Alternative Catalog Number	EBT-ELK9981-96, EBT-ELK9981-48, EBT-ELK9981-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Bovine
Concentration	50 ng/mL
Range	0.78-50 ng/mL
Sensitivity	0.221 ng/mL
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Enzyme & Kinase, Metabolic pathway, Endocrinology, Hepatology, Nutrition metabolism,. 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 Cattle SOD1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle 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 Cattle 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 Cattle SOD1 in the samples is then determined by comparing the OD of the samples to the standard curve