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Product Datasheet

Chicken SOD1(Superoxide Dismutase 1, Soluble) ELISA Kit EBT-ELK10972

Article Name	Chicken SOD1(Superoxide Dismutase 1, Soluble) ELISA Kit
Biozol Catalog Number	EBT-ELK10972
Supplier Catalog Number	ELK10972
Alternative Catalog Number	EBT-ELK10972-96, EBT-ELK10972-96X5, EBT-ELK10972-48
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Gallus
Concentration	10 ng/mL
Range	0.16-10 ng/mL
Sensitivity	0.047 ng/mL
Samples	Serum, plasma, tissue homogenates 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 Chicken SOD1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Chicken 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 Chicken 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 Chicken SOD1 in the samples is then determined by comparing the OD of the samples to the standard curve