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Product Datasheet

Chicken CYP1A4(Cytochrome P450) 1A4 ELISA Kit EBT-ELK0708

Article Name	Chicken CYP1A4(Cytochrome P450) 1A4 ELISA Kit
Biozol Catalog Number	EBT-ELK0708
Supplier Catalog Number	ELK0708
Alternative Catalog Number	EBT-ELK0708-96, EBT-ELK0708-48, EBT-ELK0708-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Gallus
Concentration	50 ng/mL
Range	0.78-50 ng/mL
Sensitivity	0.26 ng/mL
UniProt	P79760
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: Metabolic pathway,. 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 CYP1A4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Chicken CYP1A4. 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 CYP1A4, 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 CYP1A4 in the samples is then determined by comparing the OD of the samples to the standard curve