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Product Datasheet

Rat CYP27A1(Cytochrome P450 27A1) ELISA Kit EBT-ELK10011

Article Name	Rat CYP27A1(Cytochrome P450 27A1) ELISA Kit
Biozol Catalog Number	EBT-ELK10011
Supplier Catalog Number	ELK10011
Alternative Catalog Number	EBT-ELK10011-96, EBT-ELK10011-96X5, EBT-ELK10011-48
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	10 ng/mL
Range	0.16-10 ng/mL
Sensitivity	0.059 ng/mL
UniProt	P17178
Samples	tissue homogenates, cell lysates 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 Rat CYP27A1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat CYP27A1. 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 CYP27A1, 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 CYP27A1 in the samples is then determined by comparing the OD of the samples to the standard curve