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Product Datasheet

Cattle CTSB(Cathepsin B) ELISA Kit EBT-ELK10030

Article Name	Cattle CTSB(Cathepsin B) ELISA Kit
Biozol Catalog Number	EBT-ELK10030
Supplier Catalog Number	ELK10030
Alternative Catalog Number	EBT-ELK10030-96, EBT-ELK10030-96X5, EBT-ELK10030-48
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Bovine
Concentration	20 ng/mL
Range	0.32-20 ng/mL
Sensitivity	0.125 ng/mL
UniProt	P07688
Samples	Serum, plasma, tissue homogenates and other biological fluids

Application Notes

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