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## Product Datasheet

### **Cattle HSPB1(Heat Shock 27kDa Protein 1) ELISA Kit EBT-ELK5770**

Article Name	Cattle HSPB1(Heat Shock 27kDa Protein 1) ELISA Kit
Biozol Catalog Number	EBT-ELK5770
Supplier Catalog Number	ELK5770
Alternative Catalog Number	EBT-ELK5770-96, EBT-ELK5770-48, EBT-ELK5770-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Bovine
Concentration	2000 pg/mL
Range	31.25-2000 pg/mL
Sensitivity	13.5 pg/mL
UniProt	<a href="#">Q3T149</a>
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: Signal transduction, Tumor immunity, Developmental science,. 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 HSPB1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle HSPB1. 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 HSPB1, 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 HSPB1 in the samples is then determined by comparing the OD of the samples to the standard curve