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## Product Datasheet

### **Cattle IFN $\beta$ (Interferon Beta) ELISA Kit EBT-ELK5897**

Article Name	Cattle IFN $\beta$ (Interferon Beta) ELISA Kit
Biozol Catalog Number	EBT-ELK5897
Supplier Catalog Number	ELK5897
Alternative Catalog Number	EBT-ELK5897-96, EBT-ELK5897-48, EBT-ELK5897-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Bovine
Concentration	1000 pg/mL
Range	15.63-1000 pg/mL
Sensitivity	6 pg/mL
UniProt	<a href="#">P01578</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: Cytokine, Tumor immunity, Infection immunity, . 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 IFN $\beta$ . Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle IFN $\beta$ . 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 IFN $\beta$ , 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  $\pm$  10nm. The concentration of Cattle IFN $\beta$  in the samples is then determined by comparing the OD of the samples to the standard curve