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Product Datasheet

Cattle IGFBP5(Insulin Like Growth Factor Binding Protein 5) ELISA Kit EBT-ELK10851

Article Name	Cattle IGFBP5(Insulin Like Growth Factor Binding Protein 5) ELISA Kit
Biozol Catalog Number	EBT-ELK10851
Supplier Catalog Number	ELK10851
Alternative Catalog Number	EBT-ELK10851-96, EBT-ELK10851-96X5, EBT-ELK10851-48
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Bovine
Concentration	100 ng/mL
Range	1.57-100 ng/mL
Sensitivity	0.52 ng/mL
UniProt	Q05717
Samples	Serum, plasma, tissue homogenates 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 Cattle IGFBP5. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle IGFBP5. 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 IGFBP5, 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 IGFBP5 in the samples is then determined by comparing the OD of the samples to the standard curve