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## Product Datasheet

### Horse IFNa(Interferon Alpha) ELISA Kit EBT-ELK5982

Article Name	Horse IFNa(Interferon Alpha) ELISA Kit
Biozol Catalog Number	EBT-ELK5982
Supplier Catalog Number	ELK5982
Alternative Catalog Number	EBT-ELK5982-96, EBT-ELK5982-48, EBT-ELK5982-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Equine
Concentration	1000 pg/mL
Range	15.63-1000 pg/mL
Sensitivity	6.6 pg/mL
UniProt	<a href="#">P05003</a>
Samples	Serum, plasma and other biological fluids.

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Cytokine, 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 Horse IFN $\alpha$ . Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Horse IFN $\alpha$ . 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 Horse IFN $\alpha$ , 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 Horse IFN $\alpha$  in the samples is then determined by comparing the OD of the samples to the standard curve