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## Product Datasheet

### Chicken a1AT(Alpha-1-Antitrypsin) ELISA Kit EBT-ELK11044

Article Name	Chicken a1AT(Alpha-1-Antitrypsin) ELISA Kit
Biozol Catalog Number	EBT-ELK11044
Supplier Catalog Number	ELK11044
Alternative Catalog Number	EBT-ELK11044-96, EBT-ELK11044-48, EBT-ELK11044-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Gallus
Concentration	1000 µg/mL
Range	15.63-1000 µg/mL
Sensitivity	4.95 µg/mL
Samples	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Application Notes	<p>Assay Type: Sandwich. Assay length: 3.5h. Research Area: Enzyme &amp; Kinase, Infection immunity, Hepatology,. 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 Chicken a1AT. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Chicken a1AT. 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 Chicken a1AT, 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 Chicken a1AT in the samples is then determined by comparing the OD of the samples to the standard curve</p>
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