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## Product Datasheet

### Dog a1AT(Alpha-1-Antitrypsin) ELISA Kit EBT-ELK11043

Article Name	Dog a1AT(Alpha-1-Antitrypsin) ELISA Kit
Biozol Catalog Number	EBT-ELK11043
Supplier Catalog Number	ELK11043
Alternative Catalog Number	EBT-ELK11043-96, EBT-ELK11043-48, EBT-ELK11043-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Canine
Concentration	1000 µg/mL
Range	15.63-1000 µg/mL
Sensitivity	5.25 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 Dog a1AT. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Dog 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 Dog 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 Dog a1AT in the samples is then determined by comparing the OD of the samples to the standard curve</p>
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