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## Product Datasheet

### **Dog Kim1(Kidney Injury Molecule 1) ELISA Kit EBT-ELK11192**

Article Name	Dog Kim1(Kidney Injury Molecule 1) ELISA Kit
Biozol Catalog Number	EBT-ELK11192
Supplier Catalog Number	ELK11192
Alternative Catalog Number	EBT-ELK11192-96, EBT-ELK11192-48, EBT-ELK11192-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Canine
Concentration	20 ng/mL
Range	0.32-20 ng/mL
Sensitivity	0.139 ng/mL
Samples	tissue homogenates, cell lysates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Tumor immunity, Infection immunity, Kidney biomarker, . 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 Kim1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Dog Kim1. 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 Kim1, 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 Dog Kim1 in the samples is then determined by comparing the OD of the samples to the standard curve