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Product Datasheet

Dog HMGB-1(High Mobility Group Protein B1) ELISA Kit EBT-ELK10709

Article Name	Dog HMGB-1(High Mobility Group Protein B1) ELISA Kit
Biozol Catalog Number	EBT-ELK10709
Supplier Catalog Number	ELK10709
Alternative Catalog Number	EBT-ELK10709-96, EBT-ELK10709-96X5, EBT-ELK10709-48
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Canine
Concentration	10 ng/mL
Range	0.16-10 ng/mL
Sensitivity	0.064 ng/mL
UniProt	Q6YKA4
Samples	serum, plasma and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: 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 Dog HMGB-1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Dog HMGB-1. 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 HMGB-1, 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 HMGB-1 in the samples is then determined by comparing the OD of the samples to the standard curve