

Canine HMGB-1 (HighMobility Group Protein B1) ELISA kit

This kit applies sandwich ELISA method for the quantitative detection of HMGB-1 (HighMobility Group Protein B1) in canine samples. 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 \pm 10nm. The concentration of Dog HMGB-1 in the samples is then determined by comparing the OD of the samples to the standard curve.

Catalog No.	3145992
Size	96-Wells
Product Category	ELISA (Quantitative)
Reactivity	Canine
Sample	Serum; Plasma; Other Biological Fluids
Assay Method	Sandwich ELISA
Assay Duration	3.5 hours
Sensitivity	2.73 pg/mL
Standard Curve Range	6.25-400 pg/mL
Storage/Stability	-20°C/1 year; 4°C/6 months