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Product Datasheet

Dog Osteocalcin (OC) ELISA Kit BYT-ORB781470

Article Name	Dog Osteocalcin (OC) ELISA Kit
Biozol Catalog Number	BYT-ORB781470
Supplier Catalog Number	orb781470
Alternative Catalog Number	BYT-ORB781470-48, BYT-ORB781470-96
Manufacturer	Biorbyt
Category	Kits/Assays
Application	ELISA
Species Reactivity	Canine
Product Description	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 Osteocalcin(OC)....
Concentration	40 ng/mL
Range	0.63-40 ng/mL
Sensitivity	0.252 ng/mL
UniProt	P81455
Samples	Serum, plasma, tissue homogenates and other biological fluids

Application Notes

Application Notes: standard: 40 ng/mL. 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 OC. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Dog OC. 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 OC, 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 OC in the samples is then determined by comparing the OD of the samples to the standard curve