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Product Datasheet

Dog Growth Differentiation Factor 5 (GDF5) ELISA Kit BYT-ORB782391

Article Name	Dog Growth Differentiation Factor 5 (GDF5) ELISA Kit
Biozol Catalog Number	BYT-ORB782391
Supplier Catalog Number	orb782391
Alternative Catalog Number	BYT-ORB782391-48, BYT-ORB782391-96
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 Growth Differentiation Factor 5(GDF5)....
Concentration	5000 pg/mL
Range	78.13-5000 pg/mL
Sensitivity	31 pg/mL
Samples	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Application Notes

Application Notes: standard: 5000 pg/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 GDF5. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Dog GDF5. 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 GDF5, 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 GDF5 in the samples is then determined by comparing the OD of the samples to the standard curve