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Product Datasheet

Cattle Carbonic Anhydrase I (CA1) ELISA Kit BYT-ORB2667432

Article Name	Cattle Carbonic Anhydrase I (CA1) ELISA Kit
Biozol Catalog Number	BYT-ORB2667432
Supplier Catalog Number	orb2667432
Alternative Catalog Number	BYT-ORB2667432-48,BYT-ORB2667432-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Bovine
Product Description	Cattle Carbonic Anhydrase I (CA1) ELISA Kit...
Range	0.16-10 ng/mL
Sensitivity	0.053 ng/mL
UniProt	Q1LZA1
Samples	Serum, plasma, tissue homogenates, cell lysates and other biological fluids

Application Notes

Application Notes: standard: 10 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 Cattle CA1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle CA1. 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 Cattle CA1, 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 Cattle CA1 in the samples is then determined by comparing the OD of the samples to the standard curve