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## Product Datasheet

### Chicken Carbonic Anhydrase II (CA2) ELISA Kit BYT-ORB776320

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|----------------------------|--|
| Article Name               | Chicken Carbonic Anhydrase II (CA2) ELISA Kit  |
| Biozol Catalog Number      | BYT-ORB776320  |
| Supplier Catalog Number    | orb776320  |
| Alternative Catalog Number | BYT-ORB776320-48, BYT-ORB776320-96   |
| Manufacturer               | Biorbyt  |
| Category                   | Kits/Assays  |
| Application                | ELISA  |
| Species Reactivity         | Gallus   |
| 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 Carbonic Anhydrase II(CA2).... |
| Concentration              | 100 ng/mL  |
| Range                      | 1.57-100 ng/mL   |
| Sensitivity                | 0.7 ng/mL  |
| UniProt                    | <a href="#">P07630</a>   |
| Samples                    | serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids   |

Application Notes

Application Notes: standard: 100 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 Chicken CA2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Chicken CA2. 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 Chicken CA2, 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 Chicken CA2 in the samples is then determined by comparing the OD of the samples to the standard curve