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## Product Datasheet

### **Cattle beta2-MG(Beta-2-Microglobulin) ELISA Kit EBT-ELK0528**

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|----------------------------|--|
| Article Name               | Cattle beta2-MG(Beta-2-Microglobulin) ELISA Kit  |
| Biozol Catalog Number      | EBT-ELK0528                                      |
| Supplier Catalog Number    | ELK0528  |
| Alternative Catalog Number | EBT-ELK0528-96, EBT-ELK0528-48, EBT-ELK0528-96X5 |
| Manufacturer               | ELK Biotechnology                                |
| Category                   | Kits/Assays                                      |
| Species Reactivity         | Bovine   |
| Concentration              | 100 ng/mL  |
| Range                      | 1.57-100 ng/mL                                   |
| Sensitivity                | 0.59 ng/mL                                       |
| Samples                    | serum, plasma, urine and other biological fluids |

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Infection immunity, Kidney biomarker,. 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 beta2-MG. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle beta2-MG. 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 beta2-MG, 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 beta2-MG in the samples is then determined by comparing the OD of the samples to the standard curve