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Product Datasheet

Cattle HSP-70/HSPA9(HeatShock Protein 70) ELISA Kit EBT-ELK5258

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| Article Name | Cattle HSP-70/HSPA9(HeatShock Protein 70) ELISA Kit |
| Biozol Catalog Number | EBT-ELK5258 |
| Supplier Catalog Number | ELK5258 |
| Alternative Catalog Number | EBT-ELK5258-96, EBT-ELK5258-48, EBT-ELK5258-96X5 |
| Manufacturer | ELK Biotechnology |
| Category | Kits/Assays |
| Species Reactivity | Bovine |
| Concentration | 200 ng/mL |
| Range | 3.13-200 ng/mL |
| Sensitivity | 1.22 ng/mL |
| UniProt | Q3ZCH0 |
| Samples | serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids |

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Tumor immunity, Infection immunity, Developmental science,. 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 HSP-70/HSPA9. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle HSP-70/HSPA9. 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 HSP-70/HSPA9, 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 HSP-70/HSPA9 in the samples is then determined by comparing the OD of the samples to the standard curve