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Product Datasheet

Rat HeatShock Protein 70 (HSP-70/HSPA9) ELISA Kit BYT-ORB781509

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| Article Name | Rat HeatShock Protein 70 (HSP-70/HSPA9) ELISA Kit |
| Biozol Catalog Number | BYT-ORB781509 |
| Supplier Catalog Number | orb781509 |
| Alternative Catalog Number | BYT-ORB781509-48, BYT-ORB781509-96 |
| Manufacturer | Biorbyt |
| Category | Kits/Assays |
| Application | ELISA |
| Species Reactivity | Rat |
| 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 Heat Shock Protein 70(HSP70).... |
| Concentration | 200 ng/mL |
| Range | 3.13-200 ng/mL |
| Sensitivity | 1.18 ng/mL |
| UniProt | P48721 |
| Samples | serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids |

Application Notes

Application Notes: standard: 200 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 Rat HSP-70/HSPA9. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat 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 Rat 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 Rat HSP-70/HSPA9 in the samples is then determined by comparing the OD of the samples to the standard curve