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Product Datasheet

Rat GPX4(Glutathione Peroxidase 4) ELISA Kit EBT-ELK0719

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| Article Name | Rat GPX4(Glutathione Peroxidase 4) ELISA Kit |
| Biozol Catalog Number | EBT-ELK0719 |
| Supplier Catalog Number | ELK0719 |
| Alternative Catalog Number | EBT-ELK0719-96, EBT-ELK0719-48, EBT-ELK0719-96X5 |
| Manufacturer | ELK Biotechnology |
| Category | Kits/Assays |
| Species Reactivity | Rat |
| Concentration | 5000 pg/mL |
| Range | 78.13-5000 pg/mL |
| Sensitivity | 27.2 pg/mL |
| UniProt | P36970 |
| 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: Enzyme & Kinase,. 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 GPX4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat GPX4. 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 GPX4, 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 GPX4 in the samples is then determined by comparing the OD of the samples to the standard curve