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Product Datasheet

Rat GPX4(Glutathione Peroxidase 4) Microsample ELISA Kit EBT-ELK0719MS

Article Name	Rat GPX4(Glutathione Peroxidase 4) Microsample ELISA Kit
Biozol Catalog Number	EBT-ELK0719MS
Supplier Catalog Number	ELK0719MS
Alternative Catalog Number	EBT-ELK0719MS-96, EBT-ELK0719MS-48, EBT-ELK0719MS-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	5000 pg/mL
Range	78.13-5000 pg/mL
Sensitivity	27.1 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