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Product Datasheet

Rat PTGS2/COX-2(Prostaglandin Endoperoxide Synthase 2) ELISA Kit EBT-ELK2681

Article Name	Rat PTGS2/COX-2(Prostaglandin Endoperoxide Synthase 2) ELISA Kit
Biozol Catalog Number	EBT-ELK2681
Supplier Catalog Number	ELK2681
Alternative Catalog Number	EBT-ELK2681-96, EBT-ELK2681-48, EBT-ELK2681-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	10 ng/mL
Range	0.16-10 ng/mL
Sensitivity	0.065 ng/mL
UniProt	P35355
Samples	serum, plasma, tissue homogenates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Enzyme & Kinase, Tumor immunity, Infection immunity, Reproductive science, Pulmonology, Gastroenterology, Hormone metabolism,. 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 PTGS2/COX-2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat PTGS2/COX-2. 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 PTGS2/COX-2, 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 PTGS2/COX-2 in the samples is then determined by comparing the OD of the samples to the standard curve