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## Product Datasheet

### Mouse Prostaglandin Endoperoxide Synthase 2 (PTGS2/COX-2) ELISA Kit BYT-ORB776095

Article Name	Mouse Prostaglandin Endoperoxide Synthase 2 (PTGS2/COX-2) ELISA Kit
Biozol Catalog Number	BYT-ORB776095
Supplier Catalog Number	orb776095
Alternative Catalog Number	BYT-ORB776095-48, BYT-ORB776095-96
Manufacturer	Biorbyt
Category	Kits/Assays
Application	ELISA
Species Reactivity	Mouse
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 Prostaglandin Endoperoxide Synthase 2(PTGS2)....
Concentration	5000 pg/mL
Range	78.13-5000 pg/mL
Sensitivity	35 pg/mL
UniProt	<a href="#">Q05769</a>
Samples	serum, plasma and other biological fluids

Application Notes

Application Notes: standard: 5000 pg/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 Mouse PTGS2/COX-2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse 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 Mouse 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 Mouse PTGS2/COX-2 in the samples is then determined by comparing the OD of the samples to the standard curve