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## Product Datasheet

### Rat Prostaglandin Endoperoxide Synthase 2 (PTGS2/COX-2) ELISA Kit BYT-ORB1806901

Article Name	Rat Prostaglandin Endoperoxide Synthase 2 (PTGS2/COX-2) ELISA Kit
Biozol Catalog Number	BYT-ORB1806901
Supplier Catalog Number	orb1806901
Alternative Catalog Number	BYT-ORB1806901-48,BYT-ORB1806901-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Rat
Product Description	Rat Prostaglandin Endoperoxide Synthase 2 (PTGS2/COX-2) ELISA Kit...
Range	125-8000pg/mL
Sensitivity	75.00 pg/mL
UniProt	<a href="#">P35355</a>
Samples	serum, plasma, Tissue homogenate and Other biological samples
Target	PTGS2/COX-2

Application Notes

Application Notes: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA 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 micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat PTGS2/COX-2 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat PTGS2/COX-2, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm  $\pm$  2 nm. The OD value is proportional to the concentration of Rat PTGS2/COX-2. You can calculate the concentration of Rat PTGS2/COX-2 in the samples by comparing the OD of the samples to the standard curve