

## Rat PTGS2/COX-2 (Prostaglandin Endoperoxide Synthase 2) ELISA kit

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This kit applies sandwich ELISA method for the quantitative detection of PTGS2/COX-2 (Prostaglandin Endoperoxide Synthase 2) in rat samples. 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  $\pm$ 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.

Catalog No.	3032681
Size	96-Wells
Product Category	ELISA (Quantitative)
Reactivity	Rat
Sample	Serum; Plasma; Tissue Homogenates; Other Biological Fluids
Assay Method	Sandwich ELISA
Assay Duration	3.5 hours
Sensitivity	0.065 ng/mL
Standard Curve Range	0.16-10 ng/mL
Storage/Stability	-20°C/1 year; 4°C/6 months

