

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

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

Catalog No.	3022231
Size	96-Wells
Product Category	ELISA (Quantitative)
Reactivity	Mouse
Sample	Serum; Plasma; Other Biological Fluids
Assay Method	Sandwich ELISA
Assay Duration	3.5 hours
Sensitivity	35 pg/mL
Standard Curve Range	78.13-5000 pg/mL
Storage/Stability	-20°C/1 year; 4°C/6 months