

## Product Datasheet

# Human Prostaglandin Endoperoxide Synthase 2 (PTGS2/COX-2) ELISA Kit (orb775960)

<b>Catalog Number</b>	orb775960
<b>Category</b>	Assays and Kits
<b>Description</b>	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).
<b>Reactivity</b>	Human
<b>Concentration</b>	20 ng/mL
<b>UniProt ID</b>	<b>P35354</b>
<b>Tested applications</b>	ELISA
<b>Application notes</b>	standard: 20 ng/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 Human PTGS2/COX-2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human 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 Human 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 Human PTGS2/COX-2 in the samples is then determined by comparing the OD of the samples to the standard curve
<b>Assay Type</b>	Sandwich
<b>Assay Time</b>	3.5h

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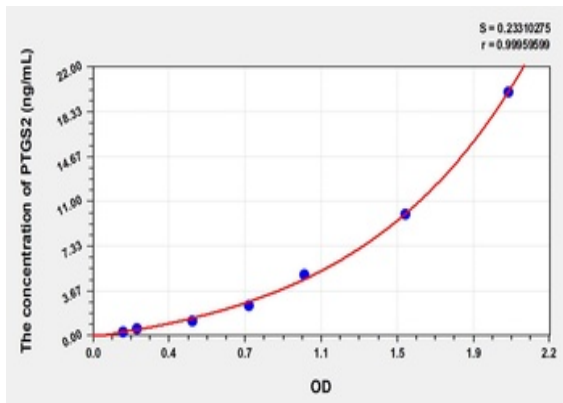
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<b>Range</b>	0.32-20 ng/mL
<b>Sensitivity</b>	0.125 ng/mL
<b>Sample Types</b>	serum, plasma, tissue homogenates and other biological fluids
<b>Note</b>	For research use only
<b>Expiration Date</b>	Please enquire.



Standard curve for orb775960 ELISA kit.

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