

## ARG83670 Human / Mouse COX2 ELISA Kit

Package: 96 wells  
Store at: 4°C, -20°C

### Summary

Product Description	ARG83670 Human / Mouse COX2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human, Mouse COX2 in Cell lysates.
Tested Reactivity	Hu, Ms
Tested Application	ELISA
Target Name	COX2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	50 pg/ml
Sample Type	Cell lysates.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl
Alternate Names	PTGS2; Prostaglandin-Endoperoxide Synthase 2; COX2; Prostaglandin G/H Synthase 2; Prostaglandin-Endoperoxide Synthase 2 (Prostaglandin G/H Synthase And Cyclooxygenase); Prostaglandin H2 Synthase 2; Cyclooxygenase 2; PGH Synthase 2; EC 1.14.99.1; PGHS-2; PHS II; COX-2; Cyclooxygenase 2b; Cyclooxygenase-2; EC 1.14.99; GRIPGHS; PGG/HS; HCoX-2; PHS-2

### Application Instructions

Assay Time 4 hours

### Properties

Form	96 well
Storage instruction	Store the kit at 4°C, -20°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	PTGS2
Gene Full Name	Prostaglandin-Endoperoxide Synthase 2
Background	Prostaglandin-endoperoxide synthase (PTGS), also known as cyclooxygenase, is the key enzyme in prostaglandin biosynthesis, and acts both as a dioxygenase and as a peroxidase. There are two isozymes of PTGS: a constitutive PTGS1 and an inducible PTGS2, which differ in their regulation of expression and tissue distribution. This gene encodes the inducible isozyme. It is regulated by specific stimulatory events, suggesting that it is responsible for the prostanoid biosynthesis involved in inflammation and mitogenesis. [provided by RefSeq, Feb 2009]

Function	During neuroinflammation, plays a role in neuronal secretion of specialized preresolving mediators (SPMs) 15R-lipoxin A4 that regulates phagocytic microglia. [Uniprot]
PTM	Acetylation, Disulfide bond, Glycoprotein, S-nitrosylation. [Uniprot]
Cellular Localization	Endoplasmic reticulum, Membrane, Microsome, Nucleus. [Uniprot]