

Human Prostaglandin G/H synthase 2 ELISA Kit | PTGS2 elisa kit

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CATALOG #
AAA99314

REACTIVITY
Human

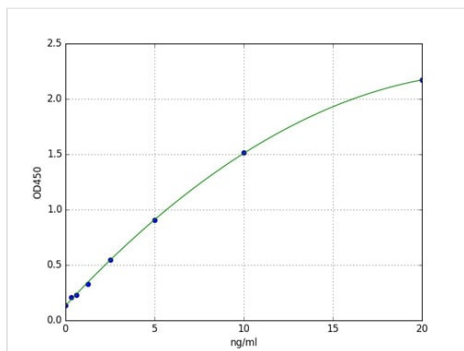
PRODUCT SYNONYMS

Prostaglandin G/H synthase 2; Human Prostaglandin G/H synthase 2 ELISA Kit; PTGS2/COX-2 (Prostaglandin Endoperoxide Synthase 2)/PGHS-2/PHS-II/PTGS2/cyclooxygenase 2b/cyclooxygenase-2/GRIPGHS/hCox-2/PGG/HS/PGH synthase 2/PHS II/PHS-2/prostaglandin G/H synthase 2/prostaglandin G/H synthase and cyclooxygenase/Prostaglandin H2 synthase 2/Prostaglandin-endoperoxide synthase 2; PTGS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	603
Assay Type	Sandwich ELISA, Double Antibody
Samples	cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human COX-2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.028	0.066	0.098	0.165	0.302	0.728	1.314	2.173

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTGS2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human COX-2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human COX-2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human COX-2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human COX-2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	57164245
NCBI GeneID	443460
NCBI Accession #	NP_001009432.1
NCBI GenBank Nucleotide #	NM_001009432.1
Molecular Weight	68,969 Da
NCBI Official Full Name	prostaglandin G/H synthase 2
NCBI Official Symbol	PTGS2
NCBI Official Synonym Symbols	PGHS-2
NCBI Protein Information	prostaglandin G/H synthase 2
UniProt Protein Name	Prostaglandin G/H synthase 2
UniProt Gene Name	PTGS2
UniProt Synonym Gene Names	COX2; COX-2; PGH synthase 2; PGHS-2
UniProt Entry Name	PGH2_SHEEP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ptgs2-human-elisa-kits/prostaglandin-g-h-synthase-2/99314>