

Mouse Prostaglandin Endoperoxide Synthase 2 ELISA Kit | PTGS2/COX-2 elisa kit

Mouse Prostaglandin Endoperoxide Synthase 2 ELISA Kit

CATALOG #
AAA100649

REACTIVITY
Mouse

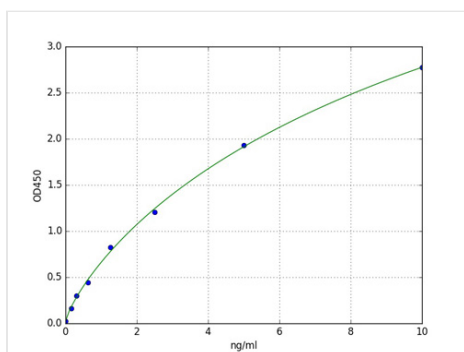
PRODUCT SYNONYMS

Prostaglandin Endoperoxide Synthase 2; Mouse Prostaglandin Endoperoxide 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/COX-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	604
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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 Mouse PTGS2 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	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.097	0.146	0.183	0.343	0.542	0.919	1.566	2.144

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTGS2/COX-2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Mouse PTGS2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse PTGS2 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 Mouse PTGS2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse PTGS2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1020089
NCBI GeneID	5743
Molecular Weight	68,996 Da
NCBI Official Full Name	prostaglandin endoperoxide synthase-2
NCBI Official Synonym Full Names	prostaglandin-endoperoxide synthase 2
NCBI Official Symbol	PTGS2
NCBI Official Synonym Symbols	COX2; COX-2; PHS-2; PGG/HS; PGHS-2; hCox-2; GRIPGHS
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_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ptgs2-cox-2-mouse-elisa-kits/prostaglandin-endoperoxide-synthase-2/100649>