

## Rat Prostaglandin G/H synthase 1 ELISA Kit | PTGS1 elisa kit

Rat Prostaglandin G/H synthase 1 ELISA Kit

CATALOG #  
**AAA99841**

REACTIVITY  
**Rat**

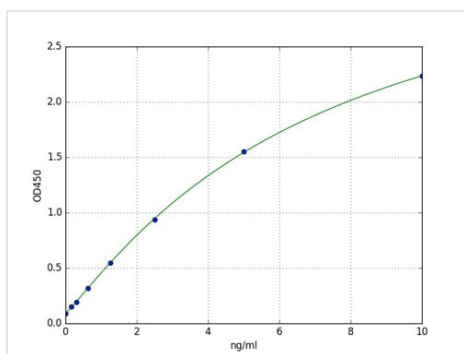
### PRODUCT SYNONYMS

Prostaglandin G/H synthase 1; Rat Prostaglandin G/H synthase 1 ELISA Kit; PTGS1/Prostaglandin-endoperoxide synthase 1/Cyclooxygenase-1 (COX-1)/Prostaglandin H2 synthase 1 (PGH synthase 1/PGHS-1/PHS 1); PTGS1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                          |
| Sequence Length         | 599                                                                                                                                                          |
| 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 Rat PTGS1 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 | 0.080 | 0.136 | 0.162 | 0.287 | 0.436 | 0.832 | 1.504 | 2.104 |

Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PTGS1 elisa kit

**Principle of the Assay**||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat PTGS1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat PTGS1 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 Rat PTGS1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat PTGS1 can be calculated.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| NCBI GI #                        | 18104967                                                                              |
| NCBI GeneID                      | 5742                                                                                  |
| NCBI Accession #                 | NP_000953.2                                                                           |
| NCBI GenBank Nucleotide #        | NM_000962.3                                                                           |
| Molecular Weight                 | 72,010 Da                                                                             |
| NCBI Official Full Name          | prostaglandin G/H synthase 1 isoform 1                                                |
| NCBI Official Synonym Full Names | prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) |
| NCBI Official Symbol             | PTGS1                                                                                 |
| NCBI Official Synonym Symbols    | COX1; COX3; PHS1; PCOX1; PES-1; PGHS1; PTGHS; PGG/HS; PGHS-1                          |
| NCBI Protein Information         | prostaglandin G/H synthase 1                                                          |
| UniProt Protein Name             | Prostaglandin G/H synthase 1                                                          |
| UniProt Gene Name                | <b>PTGS1</b>                                                                          |
| UniProt Synonym Gene Names       | COX1; COX-1; PGH synthase 1; PGHS-1; PHS 1                                            |
| UniProt Entry Name               | PGH1_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.

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Online datasheet: <https://stage.aaabiotech.com/ptgs1-rat-elisa-kits/prostaglandin-g-h-synthase-1/99841>