

## Monkey Prostaglandin D Synthase ELISA Kit | PGDS elisa kit

Monkey Prostaglandin D Synthase ELISA Kit

CATALOG #  
**AAA91181**

REACTIVITY  
**Monkey**

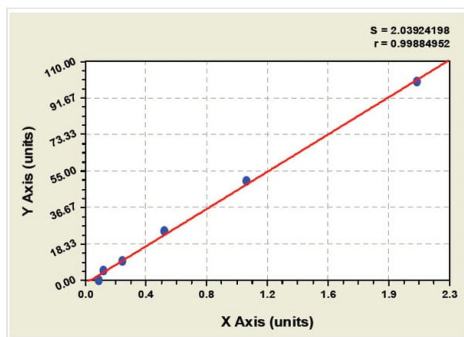
### PRODUCT SYNONYMS

Prostaglandin D Synthase; Monkey Prostaglandin D Synthase ELISA Kit; PGDS elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Monkey                                                                     |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Detection Range         | 5.0-100ng/mL                                                               |
| Sensitivity             | 1.0ng/mL                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PGDS elisa kit

**Intended Uses:** This PGDS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey PGDS. This ELISA kit for research use only!

**Principle of the Assay:** PGDS ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PGDS. Standards or samples are then added to the microtiter plate wells and PGDS if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PGDS present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for PGDS are added to each well to "sandwich" the PGDS immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PGDS and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PGDS concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 49456319                                                                                                                                                                                                                                                                                  |
| NCBI GeneID                      | 27306                                                                                                                                                                                                                                                                                     |
| UniProt Accession #              | O60760; Q6FHT9                                                                                                                                                                                                                                                                            |
| Molecular Weight                 | 23,344 Da                                                                                                                                                                                                                                                                                 |
| NCBI Official Full Name          | PGDS, partial                                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Full Names | hematopoietic prostaglandin D synthase                                                                                                                                                                                                                                                    |
| NCBI Official Symbol             | HPGDS                                                                                                                                                                                                                                                                                     |
| NCBI Official Synonym Symbols    | GSTS; PGD2; PGDS; GSTS1-1                                                                                                                                                                                                                                                                 |
| NCBI Protein Information         | hematopoietic prostaglandin D synthase; GST class-sigma; prostaglandin-H2 D-isomerase; glutathione S-transferase sigma; glutathione-dependent PGD synthase; glutathione-dependent PGD synthetase; hematopoietic prostaglandin D2 synthase; glutathione-requiring prostaglandin D synthase |
| UniProt Protein Name             | Hematopoietic prostaglandin D synthase                                                                                                                                                                                                                                                    |
| UniProt Gene Name                | HPGDS                                                                                                                                                                                                                                                                                     |
| UniProt Synonym Gene Names       | GSTS; PGDS; PTGDS2; H-PGDS                                                                                                                                                                                                                                                                |
| UniProt Entry Name               | HPGDS_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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