

Human Prostaglandin D Synthase ELISA Kit | PGDS elisa kit

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CATALOG #
AAA87014

REACTIVITY
Human

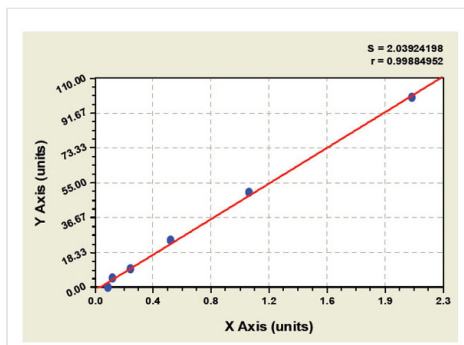
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This PGDS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PGDS. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGDS elisa kit

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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Online datasheet: <https://stage.aaabiotech.com/pgds-human-elisa-kits/prostaglandin-d-synthase/87014>