

Human Prostaglandin-H2 D-Isomerase (PTGDS) ELISA Kit | PTGDS elisa kit

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CATALOG #
AAA331989

REACTIVITY
Human

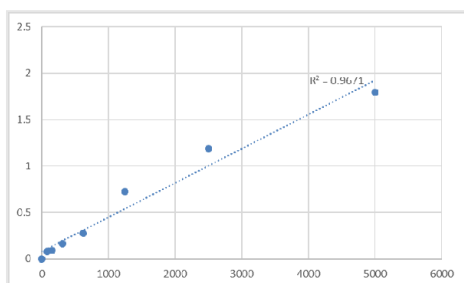
PRODUCT SYNONYMS

Prostaglandin-H2 D-Isomerase (PTGDS); Human Prostaglandin-H2 D-Isomerase (PTGDS) ELISA Kit; PTGDS; RP11-229P13.6; L-PGDS; LPGDS; PDS; PGD2; PGDS; PGDS2; PGD2 synthase; beta-trace protein; glutathione-independent PGD synthase; lipocalin-type prostaglandin D synthase; prostaglandin D synthase; prostagla; PTGDS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Prostaglandin-H2 D-isomerase (PTGDS) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTGDS. No significant cross-reactivity or interference between Human PTGDS and analogues was observed.
Sequence Length	190
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Prostaglandin-H2 D-isomerase (PTGDS) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTGDS elisa kit	Description: This Human Prostaglandin-H2 D-isomerase (PTGDS) ELISA Kit employs a two-site sandwich ELISA to quantitate PTGDS in samples. An antibody specific for PTGDS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTGDS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTGDS is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PTGDS bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Prostaglandin D synthase catalyzes the conversion of prostaglandin H2 (PGH2) to postaglandin D2 (PGD2).Prostaglandin D synthase induces sleep, regulates nociception, inhibits platelet aggregation, and acts as an allergic mediator. Two distinct types of PGD synthase have been identified, namely the lipocalin type enzyme (b-trace) and the hematopoietic enzyme. Lipocalin type prostaglandin D synthase is localized in the central nervous system and male genital organs of various mammals and the human heart. This enzyme has been identified as b-trace, which is a major protein in human cerebrospinal fluid. Hematopoietic prostaglandin D synthase is widely distributed in the peripheral tissues and is localized in the antigen-presenting cells, mast cells, and megakaryocytes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32171249
NCBI GeneID	5730
NCBI Accession #	NP_000945.3
NCBI GenBank Nucleotide #	NP_000945.3
UniProt Accession #	P41222
NCBI Official Full Name	prostaglandin-H2 D-isomerase
NCBI Official Synonym Full Names	prostaglandin D2 synthase
NCBI Official Symbol	PTGDS
NCBI Official Synonym Symbols	PDS; PGD2; PGDS; LPGDS; PGDS2; L-PGDS
NCBI Protein Information	prostaglandin-H2 D-isomerase
UniProt Protein Name	Prostaglandin-H2 D-isomerase
UniProt Gene Name	PTGDS
UniProt Synonym Gene Names	PDS; PGD2 synthase; PGDS; PGDS2
UniProt Entry Name	PTGDS_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/human-elisa-kits/prostaglandin-h2-d-isomerase-ptgds/331989>