

Human Prostaglandin D synthase ELISA Kit | PTGDS elisa kit

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CATALOG #
AAA85538

REACTIVITY
Human

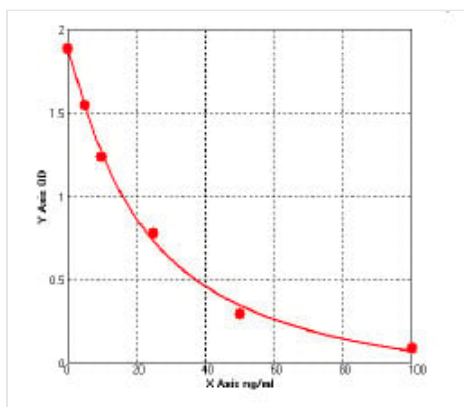
PRODUCT SYNONYMS

Prostaglandin D synthase; Human Prostaglandin D synthase ELISA Kit; Human Prostaglandin D synthase (PTGDS) ELISA Kit; Prostaglandin D synthase (Human); PTGDS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PGDS. No significant cross-reactivity or interference between PGDS and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PGDS and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTGDS elisa kit	Principle of the Assay: PGDS ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PGDS antibody and an PGDS-HRP conjugate. The assay sample and buffer are incubated together with PGDS-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PGDS concentration since PGDS from samples and PGDS -HRP conjugate compete for the anti-PGDS antibody binding site. Since the number of sites is limited, as more sites are occupied by PGDS from the sample, fewer sites are left to bind PGDS-HRP conjugate. 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. 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 or test applications!
Product Categories/Family for PTGDS elisa kit	Human ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	111080340
NCBI GeneID	5730
UniProt Accession #	P41222; Q5SQ10; Q7M4P3; Q9UC22; Q9UCC9; Q9UCD9; B2R727
Molecular Weight	21,029 Da
NCBI Official Full Name	prostaglandin D synthase
NCBI Official Synonym Full Names	prostaglandin D2 synthase 21kDa (brain)
NCBI Official Symbol	PTGDS
NCBI Official Synonym Symbols	PDS; PGD2; PGDS; LPGDS; PGDS2; L-PGDS
NCBI Protein Information	prostaglandin-H2 D-isomerase; cerebrin-28; PGD2 synthase; beta-trace protein; prostaglandin D synthase; prostaglandin-D2 synthase; glutathione-independent PGD synthase; glutathione-independent PGD synthetase; lipocalin-type prostaglandin D synthase; lipocalin-type prostaglandin-D synthase
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ptgds-human-elisa-kits/prostaglandin-d-synthase/85538>