

GuineaPig Prostaglandin D synthase ELISA Kit | PTGDS elisa kit

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CATALOG #
AAA85042

REACTIVITY
GuineaPig

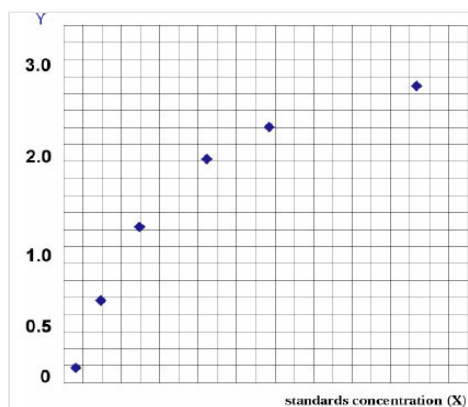
PRODUCT SYNONYMS

Prostaglandin D synthase; Guinea Pig Prostaglandin D synthase ELISA Kit; Guinea Pig Prostaglandin D synthase (PTGDS) ELISA Kit; Prostaglandin D synthase (Guinea Pig); PTGDS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	GuineaPig
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTGDS elisa kit

Intended Uses: This PTGDS ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of PTGDS in the sample, this PTGDS ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus PTGDS concentration. The concentration of PTGDS in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: This PTGDS enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for PTGDS. Standards or samples are then added to the microtiter plate wells and PTGDS if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PTGDS present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for PTGDS are added to each well to "sandwich" the PTGDS immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PTGDS and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.

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.

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Online datasheet: <https://stage.aaabiotech.com/ptgds-pig-elisa-kits/prostaglandin-d-synthase/85042>