

Human Prostaglandin I Synthase (PTGIS) ELISA Kit | PTGIS elisa kit

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CATALOG #
AAA63730

REACTIVITY
Human

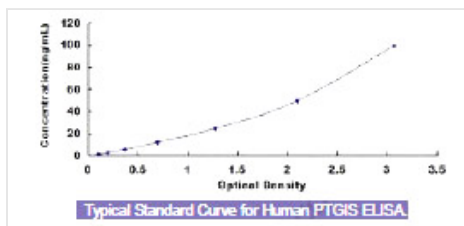
PRODUCT SYNONYMS

Prostaglandin I Synthase (PTGIS); Human Prostaglandin I Synthase (PTGIS) ELISA Kit; PGIS; CYP8A1; Prostacyclin Synthase; Prostacycline Synthetase; Prostaglandin I2 Synthetase; PGI2 Synthetase; Cytochrome P450; Family 8; Subfamily A; Polypeptide 1; PTGIS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PTGIS. No significant cross-reactivity or interference between PTGIS and analogues was observed.
Sequence Length	500
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.64ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PTGIS were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PTGIS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTGIS elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PTGIS in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PTGIS. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PTGIS. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PTGIS, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PTGIS in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13699859
NCBI GeneID	5740
NCBI Accession #	NP_000952.1
NCBI GenBank Nucleotide #	NM_000961.3
UniProt Accession #	Q16647; Q3MII8; Q9HAX2; Q9HAX3; Q9HAX4
Molecular Weight	57,104 Da
NCBI Official Full Name	prostacyclin synthase
NCBI Official Synonym Full Names	prostaglandin I2 synthase
NCBI Official Symbol	PTGIS
NCBI Official Synonym Symbols	CYP8; PGIS; PTGI; CYP8A1
NCBI Protein Information	prostacyclin synthase
UniProt Protein Name	Prostacyclin synthase
UniProt Gene Name	PTGIS
UniProt Synonym Gene Names	CYP8; CYP8A1

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-i-synthase-ptgis/63730>