

Human Prostaglandin E synthase ELISA Kit | PTGES elisa kit

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CATALOG #
AAA99144

REACTIVITY
Human

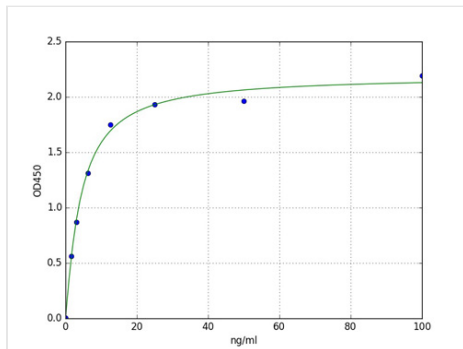
PRODUCT SYNONYMS

Prostaglandin E synthase; Human Prostaglandin E synthase ELISA Kit; PTGES/Prostaglandin E synthase/p53-induced gene 12 protein/Microsomal glutathione S-transferase 1-like 1/MGST1-L1/Microsomal prostaglandin E synthase 1/MPGES-1/MGST1L1/MPGES1/PGES/PIG12/MGST-IV/MGST1-L1/MPGES/PP102/PP1294/TP53I12/mPGES-1; PTGES elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	152
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human PTGES ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	1.563	3.125	6.25	12.5	25	50	100
Y	OD450	0.032	0.122	0.209	0.339	0.575	1.106	1.365	1.976

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTGES elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human PTGES antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human PTGES antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human PTGES amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human PTGES can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758910
NCBI GeneID	9536
NCBI Accession #	NP_004869.1
NCBI GenBank Nucleotide #	NM_004878.4
Molecular Weight	17,102 Da
NCBI Official Full Name	prostaglandin E synthase
NCBI Official Synonym Full Names	prostaglandin E synthase
NCBI Official Symbol	PTGES
NCBI Official Synonym Symbols	PGES; MPGES; PIG12; PP102; PP1294; MGST-IV; MGST1L1; TP53I12; mPGES-1; MGST1-L1
NCBI Protein Information	prostaglandin E synthase
UniProt Protein Name	Prostaglandin E synthase
UniProt Gene Name	PTGES
UniProt Synonym Gene Names	MGST1L1; MPGES1; PGES; PIG12; MGST1-L1; MPGES-1
UniProt Entry Name	PTGES_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/ptges-human-elisa-kits/prostaglandin-e-synthase/99144>