

Goat Prostaglandin E Synthase, Microsomal ELISA Kit | PTGES elisa kit

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CATALOG #
AAA88884

REACTIVITY
Goat

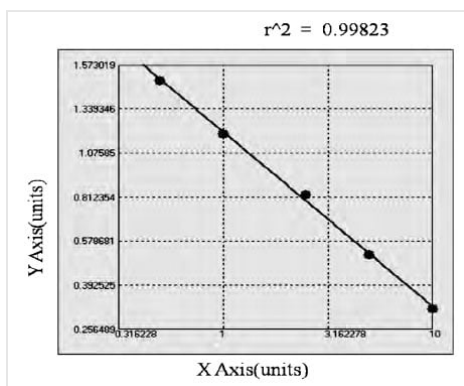
PRODUCT SYNONYMS

Prostaglandin E Synthase; Microsomal; Goat Prostaglandin E Synthase; Microsomal ELISA Kit; PTGES elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This PTGES ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat PTGES. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTGES elisa kit

Principle of the assay: PTGES ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PTGES antibody and an PTGES-HRP conjugate. The assay sample and buffer are incubated together with PTGES-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 PTGES concentration since PTGES from samples and PTGES-HRP conjugate compete for the anti-PTGES antibody binding site. Since the number of sites is limited, as more sites are occupied by PTGES from the sample, fewer sites are left to bind PTGES-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PTGES concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PTGES elisa kit	Metabolism
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758910
NCBI GeneID	9536
NCBI Accession #	NP_004869.1
NCBI GenBank Nucleotide #	NM_004878.4
UniProt Accession #	O14684; O14900; Q5SZC0; Q9GZZ5
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; MGST1-like 1; p53-induced gene 12 protein; p53-induced apoptosis protein 12; glutathione S-transferase 1-like 1; microsomal prostaglandin E synthase 1; microsomal prostaglandin E synthase-1; tumor protein p53 inducible protein 12; microsomal glutathione S-transferase 1-like 1
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-goat-elisa-kits/prostaglandin-e-synthase-microsomal/88884>