

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

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CATALOG #
AAA92451

REACTIVITY
Canine

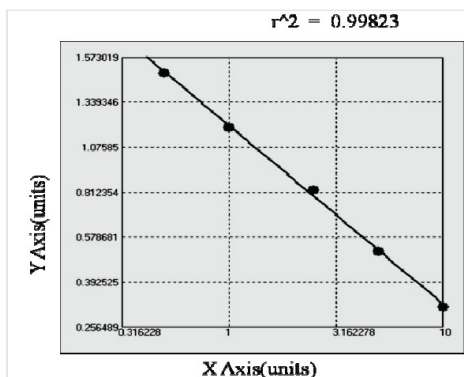
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTGES elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This PTGES ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PTGES. This ELISA kit for research use only! 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.
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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
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.