

Canine Prostaglandin E Synthase 2 ELISA Kit | PTGES2 elisa kit

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CATALOG #
AAA90332

REACTIVITY
Canine

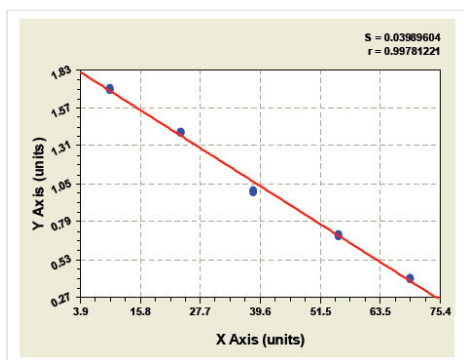
PRODUCT SYNONYMS

Prostaglandin E Synthase 2; Canine Prostaglandin E Synthase 2 ELISA Kit; PTGES2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/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 PTGES2 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This PTGES2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PTGES2. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY PTGES2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PTGES2 antibody and an PTGES2-HRP conjugate. The assay sample and buffer are incubated together with PTGES2-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 PTGES2 concentration since PTGES2 from samples and PTGES2-HRP conjugate compete for the anti-PTGES2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PTGES2 from the sample, fewer sites are left to bind PTGES2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PTGES2 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13376617
NCBI GeneID	80142
NCBI Accession #	NP_079348.1
NCBI GenBank Nucleotide #	NM_025072.6
Molecular Weight	41,943 Da
NCBI Official Full Name	prostaglandin E synthase 2 isoform 1
NCBI Official Synonym Full Names	prostaglandin E synthase 2
NCBI Official Symbol	PTGES2
NCBI Official Synonym Symbols	GBF1; GBF-1; PGES2; C9orf15; mPGES-2
NCBI Protein Information	prostaglandin E synthase 2; GATE-binding factor 1; microsomal prostaglandin E synthase-2; membrane-associated prostaglandin E synthase 2; gamma-interferon-activated transcriptional element-binding factor 1
UniProt Protein Name	Prostaglandin E synthase 2
UniProt Gene Name	PTGES2
UniProt Synonym Gene Names	C9orf15; PGES2; mPGES-2
UniProt Entry Name	PGES2_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.