

Goat Prostaglandin D Synthase ELISA Kit | PGDS elisa kit

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CATALOG #
AAA88251

REACTIVITY
Goat

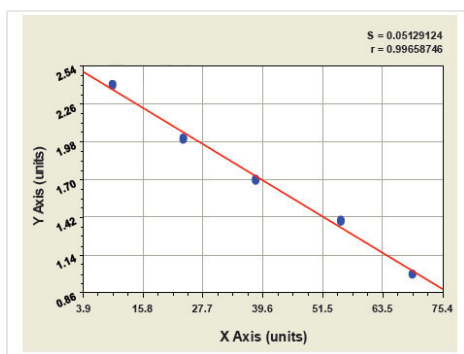
PRODUCT SYNONYMS

Prostaglandin D Synthase; Goat Prostaglandin D Synthase ELISA Kit; PGDS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This PGDS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat PGDS. 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 PGDS elisa kit

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

Product Categories/Family for PGDS elisa kit

Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	49456319
NCBI GeneID	27306
UniProt Accession #	O60760; Q6FHT9; Q4W5C6
Molecular Weight	23,344 Da
NCBI Official Full Name	PGDS
NCBI Official Synonym Full Names	hematopoietic prostaglandin D synthase
NCBI Official Symbol	HPGDS
NCBI Official Synonym Symbols	GSTS; PGD2; PGDS; GSTS1-1
NCBI Protein Information	hematopoietic prostaglandin D synthase; GST class-sigma; prostaglandin-H2 D-isomerase; glutathione S-transferase sigma; glutathione-dependent PGD synthase; glutathione-dependent PGD synthetase; hematopoietic prostaglandin D2 synthase; glutathione-requiring prostaglandin D synthase
UniProt Protein Name	Hematopoietic prostaglandin D synthase
UniProt Gene Name	HPGDS
UniProt Synonym Gene Names	GSTS; PGDS; PTGDS2; H-PGDS
UniProt Entry Name	HPGDS_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/pgds-goat-elisa-kits/prostaglandin-d-synthase/88251>