

Rat Prostaglandin D Synthase ELISA Kit | PGDS elisa kit

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CATALOG #
AAA83562

REACTIVITY
Rat

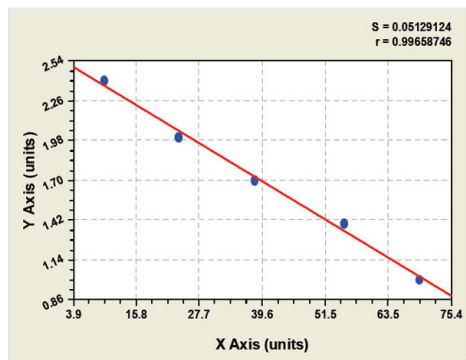
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This PGDS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	49456319
NCBI GeneID	27306
UniProt Accession #	O60760; Q6FHT9
Molecular Weight	23,344 Da
NCBI Official Full Name	PGDS, partial
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-rat-elisa-kits/prostaglandin-d-synthase/83562>