

Rat Prostaglandin D synthase ELISA Kit | PTGDS elisa kit

Rat Prostaglandin D synthase ELISA Kit

CATALOG #
AAA86167

REACTIVITY
Rat

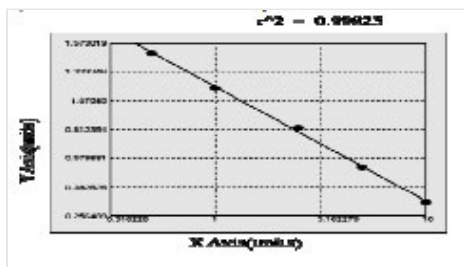
PRODUCT SYNONYMS

Prostaglandin D synthase; Rat Prostaglandin D synthase ELISA Kit; Rat Prostaglandin D synthase (PTGDS) ELISA Kit; Prostaglandin D synthase (Rat); PTGDS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTGDS elisa kit

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!

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 PTGDS elisa kit

[Rat ELISA Kit](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	111080340
NCBI GeneID	5730
UniProt Accession #	P41222; Q5SQ10; Q7M4P3; Q9UC22; Q9UCC9; Q9UCD9; B2R727
Molecular Weight	21,029 Da
NCBI Official Full Name	prostaglandin D synthase
NCBI Official Synonym Full Names	prostaglandin D2 synthase 21kDa (brain)
NCBI Official Symbol	PTGDS
NCBI Official Synonym Symbols	PDS; PGD2; PGDS; LPGDS; PGDS2; L-PGDS
NCBI Protein Information	prostaglandin-H2 D-isomerase; cerebrin-28; PGD2 synthase; beta-trace protein; prostaglandin D synthase; prostaglandin-D2 synthase; glutathione-independent PGD synthase; glutathione-independent PGD synthetase; lipocalin-type prostaglandin D synthase; lipocalin-type prostaglandin-D synthase
UniProt Protein Name	Prostaglandin-H2 D-isomerase
UniProt Gene Name	PTGDS
UniProt Synonym Gene Names	PDS; PGD2 synthase; PGDS; PGDS2
UniProt Entry Name	PTGDS_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/ptgds-rat-elisa-kits/prostaglandin-d-synthase/86167>