

Rat Prostaglandin D2 Synthase, Brain ELISA Kit | PGD2S elisa kit

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CATALOG #
AAA82502

REACTIVITY
Rat

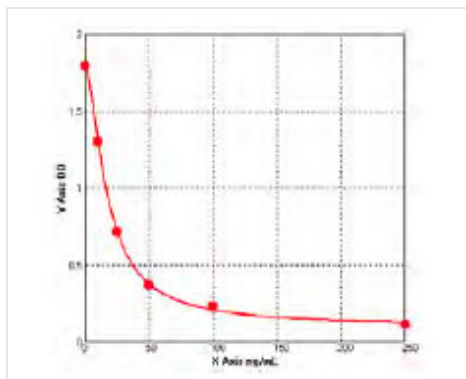
PRODUCT SYNONYMS

Prostaglandin D2 Synthase; Brain; Rat Prostaglandin D2 Synthase; Brain ELISA Kit; PGD2S elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PGD2S. No significant cross-reactivity or interference between PGD2S and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PGD2S and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGD2S elisa kit	Intended Uses: This PGD2S ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PGD2S. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PGD2S ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PGD2S antibody and an PGD2S-HRP conjugate. The assay sample and buffer are incubated together with PGD2S-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 PGD2S concentration since PGD2S from samples and PGD2S-HRP conjugate compete for the anti-PGD2S antibody binding site. Since the number of sites is limited, as more sites are occupied by PGD2S from the sample, fewer sites are left to bind PGD2S-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PGD2S concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32171249
NCBI GeneID	5730
NCBI Accession #	NP_000945.3
NCBI GenBank Nucleotide #	NM_000954.5
Molecular Weight	21,029 Da
NCBI Official Full Name	prostaglandin-H2 D-isomerase
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.