

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

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CATALOG #
AAA86184

REACTIVITY
Mouse

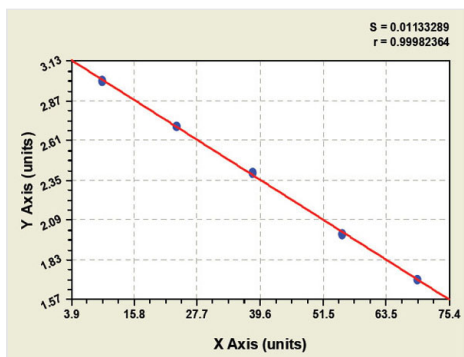
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This PGD2S ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PGD2S. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGD2S elisa kit	Principle of the Assay: PGD2S ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

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Online datasheet: <https://stage.aaabiotech.com/pgd2s-mouse-elisa-kits/prostaglandin-d2-synthase-brain/86184>