

Mouse prostaglandin D2 synthase 21kDa (brain) ELISA Kit | PTGDS elisa kit

Mouse Prostaglandin-H2 D-isomerase, PTGDS ELISA Kit

CATALOG #
AAA18078

REACTIVITY
Mouse

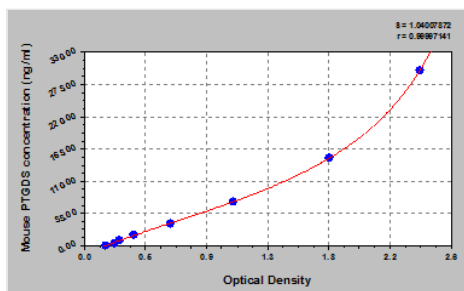
PRODUCT SYNONYMS

prostaglandin D2 synthase 21kDa (brain); Mouse Prostaglandin-H2 D-isomerase; PTGDS ELISA Kit; Mouse Prostaglandin-H2 D-isomerase (PTGDS) ELISA kit; RP11-229P13.6; L-PGDS; LPGDS; PDS; PGD2; PGDS; PGDS2; PGD2 synthase; beta-trace protein; glutathione-independent PGD synthase; lipocalin-type prostaglandin D synthase; prostaglandin D synthase; prostagla; PTGDS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse PTGDS. No significant cross-reactivity or interference between mouse PTGDS and analogues was observed.
Sequence Length	189
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	4.7 ng/ml-300 ng/ml
Sensitivity	< 1.2 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTGDS elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PTGDS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTGDS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTGDS is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PTGDS bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119226208
NCBI GeneID	19215
NCBI Accession #	NP_032989.2
NCBI GenBank Nucleotide #	NM_008963.2
UniProt Accession #	O09114; O09157; O35091; Q3V2G5; Q62169
Molecular Weight	21,066 Da
NCBI Official Full Name	prostaglandin-H2 D-isomerase
NCBI Official Synonym Full Names	prostaglandin D2 synthase (brain)
NCBI Official Symbol	Ptgds
NCBI Official Synonym Symbols	PGD2; PGDS; 21kDa; PGDS2; Ptgs3; L-PGDS
NCBI Protein Information	prostaglandin-H2 D-isomerase; PGD2 synthase; prostaglandin-D2 synthase; glutathione-independent PGD synthase; glutathione-independent PGD synthetase; lipocalin-type prostaglandin-D synthase; prostaglandin D2 synthase (21 kDa, brain)
UniProt Protein Name	Prostaglandin-H2 D-isomerase
UniProt Gene Name	Ptgds
UniProt Synonym Gene Names	L-PGDS; PGD2 synthase; PGDS2
UniProt Entry Name	PTGDS_MOUSE

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-mouse-elisa-kits/prostaglandin-d2-synthase-21kda-brain/18078>