

Human Prostaglandin D2 Synthase, Hematopoietic (PTGDS) ELISA Kit | PTGDS elisa kit

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CATALOG #
AAA140236

REACTIVITY
Human

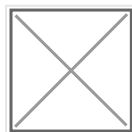
PRODUCT SYNONYMS

Prostaglandin D2 Synthase; Hematopoietic (PTGDS); Human Prostaglandin D2 Synthase; Hematopoietic (PTGDS) ELISA Kit; HPGDS; GSTS; H-PGDS; PDS; PGD2; PGDS; PGDS2; Glutathione S-Transferase Sigma; Glutathione-requiring prostaglandin D synthase; Prostaglandin-H2 D-isomerase; PTGDS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Prostaglandin D2 Synthase, Hematopoietic (PTGDS). No significant cross-reactivity or interference between Prostaglandin D2 Synthase, Hematopoietic (PTGDS) and analogues was observed.
Sequence Length	199
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	34pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Prostaglandin D2 Synthase, Hematopoietic (PTGDS) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Prostaglandin D2 Synthase, Hematopoietic (PTGDS) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTGDS elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Prostaglandin D2 Synthase, Hematopoietic (PTGDS). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Prostaglandin D2 Synthase, Hematopoietic (PTGDS). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Prostaglandin D2 Synthase, Hematopoietic (PTGDS), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Prostaglandin D2 Synthase, Hematopoietic (PTGDS) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PTGDS elisa kit	Enzyme & Kinase; Endocrinology; Cardiovascular biology; Neuroscience; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	119626457
NCBI GeneID	27306
UniProt Accession #	O60760; Q6FHT9
Molecular Weight	23,344 Da
NCBI Official Full Name	prostaglandin D2 synthase, hematopoietic
NCBI Official Synonym Full Names	hematopoietic prostaglandin D synthase
NCBI Official Symbol	HPGDS
NCBI Official Synonym Symbols	GSTS; PGD2; PGDS; GSTS1; GSTS1-1
NCBI Protein Information	hematopoietic 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/human-elisa-kits/prostaglandin-d2-synthase-hematopoietic-ptgds/140236>