

Rat Prostaglandin E Synthase, Microsomal (PTGES) ELISA Kit | PTGES elisa kit

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CATALOG #
AAA68170

REACTIVITY
Rat

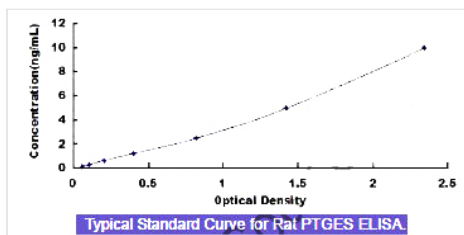
PRODUCT SYNONYMS

Prostaglandin E Synthase; Microsomal (PTGES); Rat Prostaglandin E Synthase; Microsomal (PTGES) ELISA Kit; PTGES elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PTGES. No significant cross-reactivity or interference between PTGES and analogues was observed.
Sequence Length	153
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.068ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PTGES were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PTGES were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTGES elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PTGES in rat tissue homogenates, cell lysates and other biological fluids Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PTGES. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PTGES. 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 PTGES, 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 PTGES in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11024658
NCBI GeneID	59103
NCBI Accession #	NP_067594.1
NCBI GenBank Nucleotide #	NM_021583.3
UniProt Accession #	Q9JHF3
Molecular Weight	17,273 Da
NCBI Official Full Name	prostaglandin E synthase
NCBI Official Synonym Full Names	prostaglandin E synthase
NCBI Official Symbol	Ptges
NCBI Official Synonym Symbols	Pges
NCBI Protein Information	prostaglandin E synthase
UniProt Protein Name	Inducible prostaglandin E synthase
UniProt Gene Name	Ptges

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/rat-elisa-kits/prostaglandin-e-synthase-microsomal-ptges/68170>