

General PGE1 ELISA Kit | PGE1 elisa kit

PGE1 (Prostaglandin E1) ELISA Kit

CATALOG #
AAA164417

REACTIVITY
General

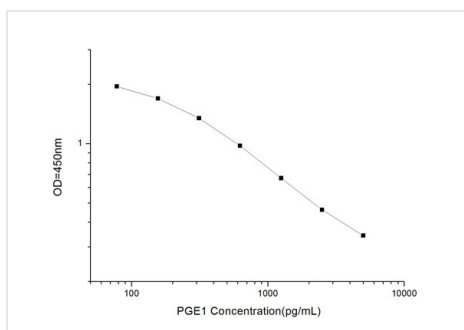
PRODUCT SYNONYMS

PGE1; PGE1 (Prostaglandin E1) ELISA Kit; PGE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This kit recognizes PGE1 in samples. No significant cross-reactivity or interference between PGE1 and analogues was observed.
Sequence Length	342
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	78.13-5000pg/mL
Sensitivity	46.88pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level PGE1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level PGE1 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGE1 elisa kit	Principle of the Assay: This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with PGE1. During the reaction, PGE1 in the sample or standard competes with a fixed amount of PGE1 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to PGE1. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) are added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of PGE1 in the samples is then determined by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of PGE1 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12232483
NCBI GeneID	64805
NCBI Accession #	NP_073625.1
NCBI GenBank Nucleotide #	NM_022788.4
UniProt Accession #	Q9H244; Q546J7; D3DNJ5
Molecular Weight	39,439 Da
NCBI Official Full Name	P2Y purinoceptor 12
NCBI Official Synonym Full Names	purinergic receptor P2Y, G-protein coupled, 12
NCBI Official Symbol	P2RY12
NCBI Official Synonym Symbols	HORK3; P2Y12; ADPG-R; BDPLT8; SP1999; P2T(AC); P2Y(AC); P2Y(12)R; P2Y(ADP); P2Y(cyc)
NCBI Protein Information	P2Y purinoceptor 12; ADP-glucose receptor; G-protein coupled receptor SP1999; Gi-coupled ADP receptor HORK3; P2Y12 platelet ADP receptor; purinergic receptor P2RY12; putative G-protein coupled receptor
UniProt Protein Name	P2Y purinoceptor 12
UniProt Gene Name	P2RY12
UniProt Synonym Gene Names	HORK3; P2Y12; ADPG-R; P2Y(ADP)
UniProt Entry Name	P2Y12_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.