

Rat Prostacyclin ELISA Kit | PGI2 elisa kit

Rat Prostacyclin ELISA Kit

CATALOG #
AAA93299

REACTIVITY
Rat

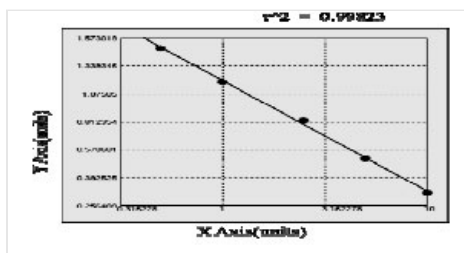
PRODUCT SYNONYMS

Prostacyclin; Rat Prostacyclin ELISA Kit; PGI2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGI2 elisa kit

Intended Uses: This PGI2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PGI2. This ELISA kit for research use only!

Principle of the Assay: PGI2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PGI2 antibody and an PGI2-HRP conjugate. The assay sample and buffer are incubated together with PGI2-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 PGI2 concentration since PGI2 from samples and PGI2-HRP conjugate compete for the anti-PGI2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PGI2 from the sample, fewer sites are left to bind PGI2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PGI2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

4506263

NCBI GeneID	5739
NCBI Accession #	NP_000951.1
NCBI GenBank Nucleotide #	NM_000960.3
Molecular Weight	40,956 Da
NCBI Official Full Name	prostacyclin receptor
NCBI Official Synonym Full Names	prostaglandin I2 (prostacyclin) receptor (IP)
NCBI Official Symbol	PTGIR
NCBI Official Synonym Symbols	IP; PRIPR
NCBI Protein Information	prostacyclin receptor; PGI receptor; PGI2 receptor; prostanoid IP receptor; prostaglandin I2 receptor
UniProt Protein Name	Prostacyclin receptor
UniProt Gene Name	PTGIR
UniProt Synonym Gene Names	PRIPR; PGI receptor; PGI2 receptor
UniProt Entry Name	PI2R_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/pgi2-rat-elisa-kits/prostacyclin/93299>