

Rat Prostaglandin I Synthase ELISA Kit | PTGIS elisa kit

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CATALOG #
AAA83999

REACTIVITY
Rat

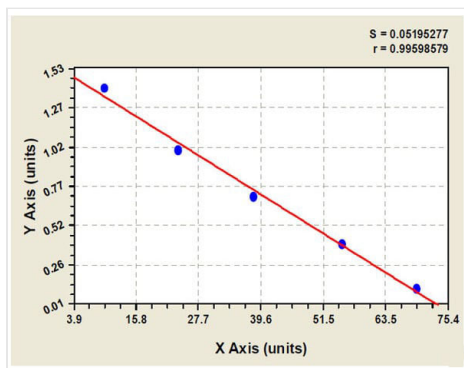
PRODUCT SYNONYMS

Prostaglandin I Synthase; Rat Prostaglandin I Synthase ELISA Kit; PTGIS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This PTGIS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PTGIS. This ELISA kit for research use only, not for therapeutic applications
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTGIS elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	3308978
NCBI GeneID	5740
Molecular Weight	57,104 Da
NCBI Official Full Name	prostacyclin synthase
NCBI Official Synonym Full Names	prostaglandin I2 (prostacyclin) synthase
NCBI Official Symbol	PTGIS
NCBI Official Synonym Symbols	CYP8; PGIS; PTGI; CYP8A1
NCBI Protein Information	prostacyclin synthase; prostaglandin I2 synthase; cytochrome P450, family 8, subfamily A, polypeptide 1
UniProt Protein Name	Prostacyclin synthase
UniProt Gene Name	PTGIS
UniProt Synonym Gene Names	CYP8; CYP8A1
UniProt Entry Name	PTGIS_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/ptgis-rat-elisa-kits/prostaglandin-i-synthase/83999>