

Guinea Pig Prostaglandin E2 ELISA Kit | PGE2 elisa kit

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CATALOG #
AAA82069

REACTIVITY
Guinea Pig

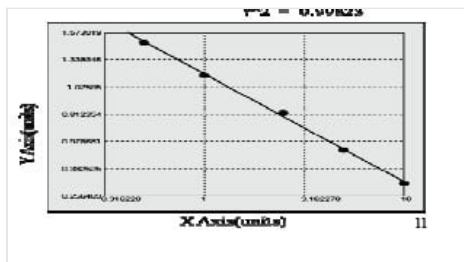
PRODUCT SYNONYMS

Prostaglandin E2; Guinea pig Prostaglandin E2 ELISA Kit; PGE2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	50-1000 pmol/L
Sensitivity	1.0 pmol/L
Intended Uses	This PGE2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig PGE2. 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 PGE2 elisa kit

Principle of the Assay: PGE2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PGE2 antibody and an PGE2-HRP conjugate. The assay sample and buffer are incubated together with PGE2-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 PGE2 concentration since PGE2 from samples and PGE2-HRP conjugate compete for the anti-PGE2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PGE2 from the sample, fewer sites are left to bind PGE2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PGE2 concentration in each sample is interpolated from this standard curve.

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.

