

Mouse Prostaglandin E2 (PG-E2) ELISA Kit | PG-E2 elisa kit

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CATALOG #
AAA332403

REACTIVITY
Mouse

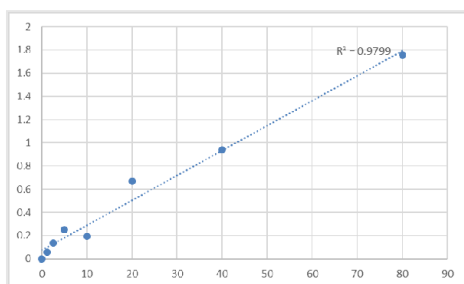
PRODUCT SYNONYMS

Prostaglandin E2 (PG-E2); Mouse Prostaglandin E2 (PG-E2) ELISA Kit; PG-E2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Prostaglandin E2 (PG-E2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse PG-E2. No significant cross-reactivity or interference between Mouse PG-E2 and analogues was observed.
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Prostaglandin E2 (PG-E2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PG-E2 elisa kit	Description: This Mouse Prostaglandin E2 (PG-E2) ELISA Kit employs a two-site sandwich ELISA to quantitate PG-E2 in samples. An antibody specific for PG-E2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PG-E2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PG-E2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PG-E2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Prostaglandin E2 (PGE2), also known as dinoprostone, is a naturally occurring prostaglandin which is used as a medication. As a medication it is used in labor induction, bleeding after delivery, termination of pregnancy, and in newborn babies to keep the ductus arteriosus open. In babies it is used in those with congenital heart defects until surgery can be carried out. It may be used within the vagina or by injection into a vein. Common side effects include vomiting, fever, diarrhea, and excessive uterine contraction. In babies there may be decreased breathing and low blood pressure. Care should be taken in people with asthma or glaucoma and it is not recommended in those who have had a prior C-section. Prostaglandin E2 is in the oxytocics family of medications. It works by binding and activating the prostaglandin E2 receptor which results in the opening and softening of the cervix and dilation of blood vessels. Prostaglandin E2 was first made in 1970 and approved for medical use in the United States in 1977. It is on the World Health Organization's List of Essential Medicines, the most effective and safe medicines needed in a health system. In the United Kingdom a dose costs the NHS about 8.50 to 30.00 pounds. In the United States a course of treatment costs more than 200 USD. Prostaglandin E2 works as well as prostaglandin E1 in babies; however, is much less expensive.
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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/mouse-elisa-kits/prostaglandin-e2-pg-e2/332403>