

Progesterone ELISA Kit | Pg elisa kit

Pg (Progesterone) ELISA Kit

CATALOG #
AAA22054

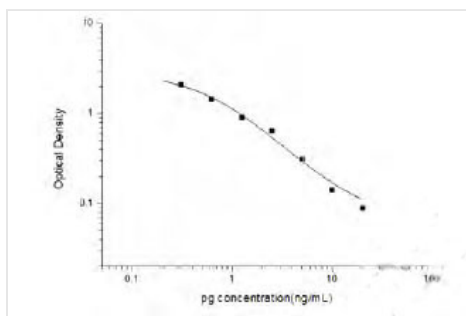
PRODUCT SYNONYMS

Progesterone; Pg (Progesterone) ELISA Kit; Pg elisa kit

PRODUCT SPECIFICATIONS

Specificity	This kit recognizes Pg in samples. No significant cross-reactivity or interference between Pg and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, urine and saliva
Detection Range	0.31-20ng/mL
Sensitivity	0.15ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 human samples with low, mid-range and high level Pg were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 human samples with low, mid-range and high level Pg 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 Pg elisa kit	Background: Progesterone belongs to a group of steroid hormones called progestogens. It is mainly secreted by the corpus luteum in the ovary during the second half of the menstrual cycle. It plays important roles in the menstrual cycle and in maintaining the early stages of pregnancy. During the menstrual cycle, when an egg is released from the ovary at ovulation, the remnants of the ovarian follicle that enclosed the developing egg form a structure called the corpus luteum [1]. This releases progesterone and, to a lesser extent, oestradiol. The progesterone prepares the body for pregnancy in the event that the released egg is fertilized. If the egg is not fertilized, the corpus luteum breaks down, the production of progesterone falls and a new menstrual cycle begins. Once the placenta develops, it also begins to secrete progesterone, supporting the corpus luteum. This causes the levels to remain elevated throughout the pregnancy, so the body does not produce more eggs. It also helps prepare the breasts for milk production. Uses of progesterone include hormone replacement therapy, birth control, support of fertility and pregnancy (e.g., prevention of preterm birth and miscarriage), and treatment of gynecological conditions[2-3]. 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 Pg. During the reaction, Pg in the sample or standard competes with a fixed amount of Pg on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Pg. 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 Pg 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 Pg concentrations in serum, plasma, urine and saliva. Please contact tech-support for other sample type detection.
--	--

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/pg-elisa-kits/progesterone/22054>