

Progesterone (PG) ELISA Kit | PG elisa kit

General Progesterone (PG) Mini Samples ELISA Kit

CATALOG #
AAA147337

REACTIVITY
Pan-species (General)

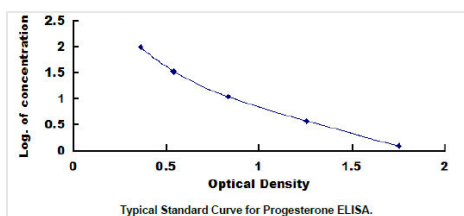
PRODUCT SYNONYMS

Progesterone (PG); General Progesterone (PG) Mini Samples ELISA Kit; P4; Pregn-4-Ene-3; 20-Dione; PG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pan-species (General)
Specificity	This assay has high sensitivity and excellent specificity for detection of progesterone. No significant cross-reactivity or interference between progesterone and analogues was observed.
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	1.23-100ng/mL
Sensitivity	< 0.55ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level progesterone were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level progesterone were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PG elisa kit

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of progesterone in serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to progesterone has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled progesterone and unlabeled progesterone(Standards or samples) with the pre-coated antibody specific to progesterone. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of progesterone in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of progesterone in the sample.

Product Categories/Family for PG elisa kit

[Endocrinology](#); [Reproductive science](#); [Hormone metabolism](#)

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/general-elisa-kits/progesterone-pg/147337>