

Rat Progesterone (PROG) ELISA Kit | PROG elisa kit

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CATALOG #
AAA330210

REACTIVITY
Rat

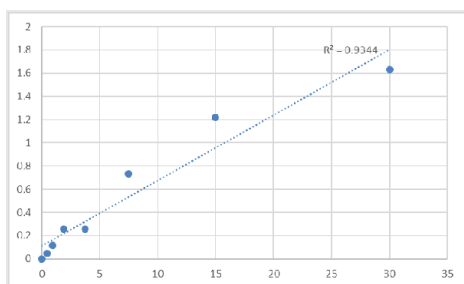
PRODUCT SYNONYMS

Progesterone (PROG); Rat Progesterone (PROG) ELISA Kit; PROG; PG; P4; Pregn-4-Ene-3; 20-Dione; PROG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Progesterone (PROG) ELISA Kit has high sensitivity and excellent specificity for detection of Rat PROG. No significant cross-reactivity or interference between Rat PROG 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. Rat Progesterone (PROG) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PROG elisa kit	Description: This Rat Progesterone (PROG) ELISA Kit employs a two-site sandwich ELISA to quantitate PROG in samples. An antibody specific for PROG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PROG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PROG 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 PROG bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Progesterone (P4) is an endogenous steroid and progestogen sex hormone involved in the menstrual cycle, pregnancy, and embryogenesis of humans and other species. It belongs to a group of steroid hormones called the progestogens, and is the major progestogen in the body. Progesterone is also a crucial metabolic intermediate in the production of other endogenous steroids, including the sex hormones and the corticosteroids, and plays an important role in brain function as a neurosteroid.
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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/rat-elisa-kits/progesterone-prog/330210>