

## Rat Progesterone ELISA Kit | PROG elisa kit

Rat Progesterone ELISA Kit

CATALOG #  
**AAA16599**

REACTIVITY  
**Rat**

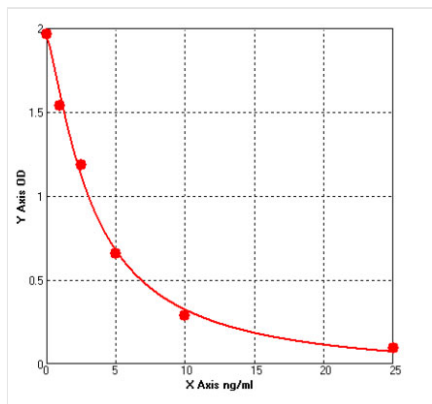
### PRODUCT SYNONYMS

Progesterone; Rat Progesterone ELISA Kit; PROG elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of PROG. No significant cross-reactivity or interference between PROG and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PROG and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                 |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                               |
| Sensitivity             | 0.1 ng/mL                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                      |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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| Related Product Information for PROG elisa kit | <p>Principle of the Assay: PROG ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PROG antibody and an PROG-HRP conjugate. The assay sample and buffer are incubated together with PROG-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 PROG concentration since PROG from samples and PROG-HRP conjugate compete for the anti-PROG antibody binding site. Since the number of sites is limited, as more sites are occupied by PROG from the sample, fewer sites are left to bind PROG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PROG concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This PROG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PROG. This ELISA kit for research use only, not for therapeutic or diagnostic applications!</p> |
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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/prog-rat-elisa-kits/progesterone/16599>