

## Rat Prostaglandin ELISA Kit | PG elisa kit

Rat Prostaglandin ELISA Kit

CATALOG #  
AAA86858

REACTIVITY  
Rat

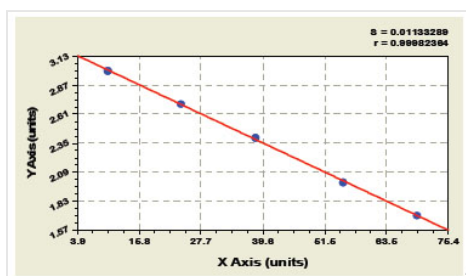
### PRODUCT SYNONYMS

Prostaglandin; Rat Prostaglandin ELISA Kit; PG elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                              |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                       |
| Assay Type              | Competitive                                                                                                                                                                      |
| Sensitivity             | 1.0 pg/mL.                                                                                                                                                                       |
| Intended Uses           | This PG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PG. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                              |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PG elisa kit

**Principle of the Assay:** PG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PG antibody and an PG-HRP conjugate. The assay sample and buffer are incubated together with PG-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 PG concentration since PG from samples and PG-HRP conjugate compete for the anti-PG antibody binding site. Since the number of sites is limited, as more sites are occupied by PG from the sample, fewer sites are left to bind PG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PG concentration in each sample is interpolated from this standard curve.

**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.