

## Human Prostaglandin E2 ELISA Kit | PG-E2 elisa kit

Human Prostaglandin E2 ELISA Kit

CATALOG #  
**AAA86751**

REACTIVITY  
**Human**

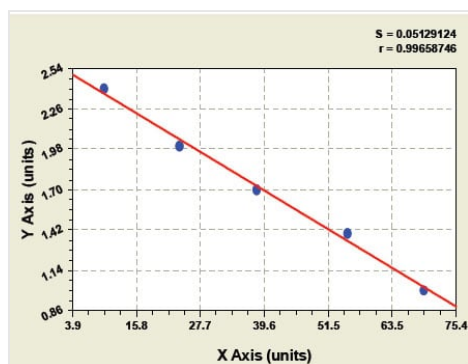
### PRODUCT SYNONYMS

Prostaglandin E2; Human Prostaglandin E2 ELISA Kit; Prostaglandin E2 (Human); PG-E2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                             |
| Assay Type              | Competitive                                                                                                                                                                            |
| Sensitivity             | 0.1ng/mL.                                                                                                                                                                              |
| Intended Uses           | This PGE2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PGE2. 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-E2 elisa kit

**Principle of the assay:** PGE2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PGE2 antibody and an PGE2-HRP conjugate. The assay sample and buffer are incubated together with PGE2-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 PGE2 concentration since PGE2 from samples and PGE2-HRP conjugate compete for the anti-PGE2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PGE2 from the sample, fewer sites are left to bind PGE2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PGE2 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for PG-E2 elisa kit

[Human ELISA Kit](#)

**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/pg-e2-human-elisa-kits/prostaglandin-e2/86751>