

# PGF<sub>2 $\alpha$</sub> high sensitivity ELISA kit

Most sensitive PGF<sub>2 $\alpha$</sub>  ELISA kit available for prostaglandin research.

The PGF<sub>2 $\alpha$</sub>  high sensitivity EIA kit is a colorimetric competitive enzyme immunoassay kit with results overnight + 3 hours. Absorbance is read at 405 nm. Simply the most sensitive quantification for PGF<sub>2 $\alpha$</sub>  commercially available in an enzyme immunoassay. Assay more samples without extraction.

Prostaglandin F<sub>2 $\alpha$</sub>  (PGF<sub>2 $\alpha$</sub> ) is formed in a variety of cells from PGH<sub>2</sub>, which itself is synthesized from arachidonic acid by the enzyme prostaglandin synthetase. PGF<sub>2 $\alpha$</sub>  is often viewed as an antagonist to PGE<sub>2</sub> due to their opposing effects on various tissues. PGF<sub>2 $\alpha$</sub>  is a potent bronchoconstrictor and has been implicated in asthma attacks. PGF<sub>2 $\alpha$</sub>  is also involved in reproductive functions including corpus luteum regulation, uterine contractions, and sperm motility. This has led to its use in terminating pregnancies and inducing labor at term. High levels of PGF<sub>2 $\alpha$</sub>  have also been associated with preeclampsia.

Citations: 9

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- Convenient - assay most samples without extraction
- Robust - fully validated in multiple complex sample matrices
- Results from up to 37 samples in duplicate per 96-well plate

## Ordering Information

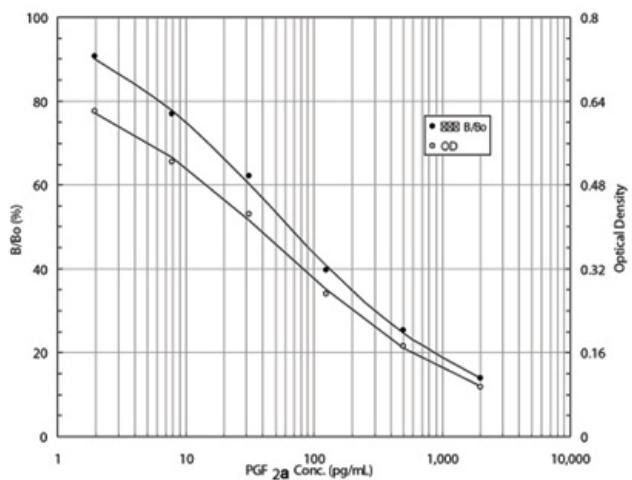
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ADI-931-069

5x96 wells

## Manuals, SDS & CofA

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# Handling & Storage

**Long Term Storage** +4°C

**Shipping** Blue Ice

## Regulatory Status

RUO - Research Use Only

## Product Details

**Alternative Name** Prostaglandin F2α

**Application** Colorimetric detection, ELISA

**Application Notes** For the quantitative determination of PGF<sub>2α</sub> in culture supernatants, milk, plasma, serum, saliva, and urine from any species.

**Assay Time** Overnight + 3 hours

**Compatibility** This product is compatible with the [\*\*Absorbance 96 Plate Reader\*\*](#).

**Contents** DxS IgG Microtiter plate, Conjugate, Antibody, Assay buffer concentrate, Wash buffer concentrate, Standard, pNpp Substrate, Stop solution

**Sensitivity** 0.98 pg/ml (range 1.95 – 2,000 pg/ml)

**Species Reactivity** Species independent

**Wavelength** 405 nm

**Last modified:** May 29, 2024



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