

# 6-keto-PGF<sub>1 $\alpha$</sub> ELISA kit

Highly sensitive ELISA, detecting as low as  
1.40 pg/ml in just 3 hours.

The 6-keto-PGF<sub>1 $\alpha$</sub>  EIA kit is a colorimetric competitive enzyme immunoassay kit with results in < 3 hours. Absorbance is read at 405 nm. This is a highly specific kit with low cross-reactivity to structurally related molecules. The 6-keto-PGF<sub>1 $\alpha$</sub>  EIA kit has been fully validated in-house in a wide variety of sample matrices.

6-keto-PGF<sub>1 $\alpha$</sub>  is a stable hydrolysis product of prostacyclin (PGI<sub>2</sub>). Due to the short half-life of PGI<sub>2</sub> in buffer (2-3 minutes) the production of prostacyclin is typically monitored by measurement of the 6-keto-PGF<sub>1 $\alpha$</sub>  metabolite and its derivative in urine, 2,3-dinor-6-keto-PGF<sub>1 $\alpha$</sub> . PGI<sub>2</sub> has autocoid functions that include platelet aggregation, inhibition of vasoconstrictor responses to pressor hormones, platelet anti- and disaggregatory properties, and reproductive functions. The effects are induced by receptor-mediated elevation of cAMP. Prostacyclin has clinical applications in atherosclerosis and protection from myocardial ischemia.

Citations: 28

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- Fast results from up to 38 samples in duplicate in just 3 hours
- Highly specific with low cross-reactivity with structurally related molecules
- Reliable and fully validated in-house with a variety of matrices
- Widely published in peer-reviewed journals

## Ordering Information

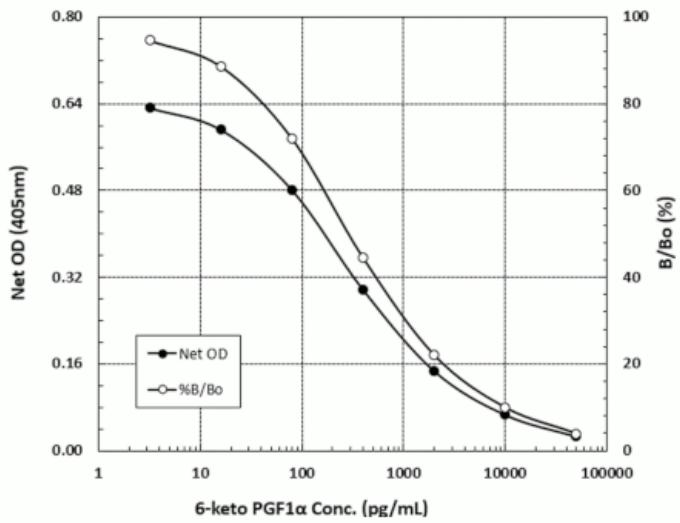
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ADI-900-004

96 wells

## Manuals, SDS & CofA

[View Online »](#)



# Handling & Storage

**Long Term Storage** +4°C

**Shipping** Blue Ice

## Regulatory Status

RUO - Research Use Only

## Product Details

**Alternative Name** 6-keto Prostaglandin F1 $\alpha$

**Application** Colorimetric detection, ELISA

**Application Notes** For the quantitative determination of 6-keto-PGF<sub>1 $\alpha$</sub>  in culture supernatants, serum, saliva, and urine from any species.

**Assay Time** <3 hours

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

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

**Sensitivity** 1.40 pg/ml (range 3.2 – 50,000 pg/ml)

**Species Reactivity** Species independent

**Wavelength** 405 nm

**Last modified:** May 29, 2024



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