

15-deoxy- Δ 12,14-PGJ₂ ELISA kit

**First-to-market 15-d-PGJ₂ ELISA
commercially available for eicosanoid
research.**

The 15-deoxy- Δ 12,14-PGJ₂ ELISA kit is a colorimetric competitive enzyme immunoassay kit with results in 5 hours. Absorbance is read at 405 nm. This kit saves time and is much less time consuming than GC/MS analysis. Ready-to-use liquid color-coded reagents reduce laboratory error.

15-deoxy- Δ 12,14-Prostaglandin J₂ (15-d-PGJ₂) is one of the ultimate dehydration products of PGD₂, formed via the intermediate Δ 12-PGJ₂. 15-d-PGJ₂ is physiologically present in body fluids at concentration of 10⁻¹² to 10⁻⁹ M, but increases dramatically under stress such as infection and inflammation. 15-d-PGJ₂ exerts both pro- and anti-inflammatory effects in a cell-type and concentration-dependent manner, with many of these effects mediated via binding to the γ isoform of the peroxisome proliferators-activated receptor (PPAR- γ). 15-d-PGJ₂ appears to induce HO-1 expression by a PPAR- γ -independent mechanism mediated by the generation of reactive oxygen species (ROS).

Citations: 32

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- High sensitivity, measuring as low as 36.8 pg/ml
- Fast results, much less time consuming than GC/MS analysis
- Simple and ready-to-use liquid color-coded reagents reduce error
- Fully quantitative results that surpass semi-quantitative Western blot analysis

Ordering Information

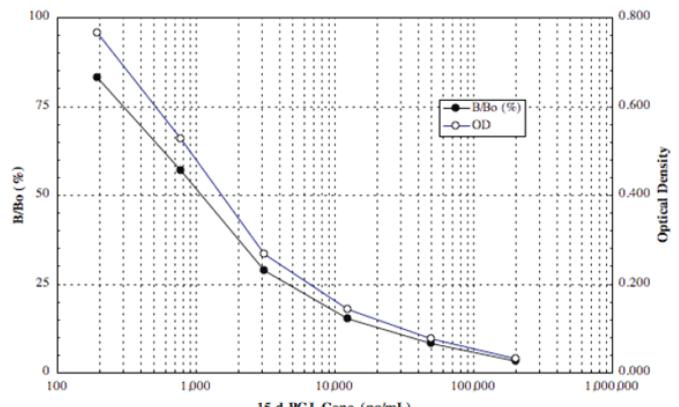
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ADI-900-023

96 wells

Manuals, SDS & CofA

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Handling & Storage

Use/Stability	Store all components at 4°C, except standard and conjugate at -20°C.
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	15-deoxy- Δ 12,14-Prostaglandin J2, 15-d-PGJ2
Application	Colorimetric detection, ELISA
Application Notes	For the quantitative determination of 15-deoxy- Δ 12,14-PGJ ₂ in culture supernatants, plasma, saliva, and urine from any species.
Assay Time	5 hours
Compatibility	This product is compatible with the Absorbance 96 Plate Reader .
Contents	GxR IgG Microtiter plate, Conjugate, Antibody, Assay buffer, Wash buffer concentrate, Standard, pNpp Substrate, Stop solution
Sensitivity	36.8 pg/ml (range 195 – 200,000 pg/ml)
Species Reactivity	Species independent
Wavelength	405 nm

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