Datasheet for ABIN481779

# PTGFR ELISA Kit

1 Image

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## Overview

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| Quantity: | 96 tests |
| Target: | PTGFR |
| Reactivity: | Cow |
| Method Type: | Sandwich ELISA |
| Application: | ELISA |

## Product Details

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| Purpose: | This B.G 8-epi-PGF2α ELISA kit is intended Laboratory for Research use only and is not for use in diagnostic or therapeutic procedures.The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of 8-epi-PGF2α in the sample, this 8-epi-PGF2α ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus 8-epi-PGF2α concentration.The concentration of 8-epi-PGF2α in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
| Sample Type: | Plasma |
| Analytical Method: | Quantitative |
| Detection Method: | Colorimetric |
| Characteristics: | Bos taurus,Bovine,Prostaglandin F2-alpha receptor,PGF receptor,PGF2-alpha receptor,Prostanoid FP receptor,PTGFR |

## Target Details

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| Target: | PTGFR |
| Alternative Name: | PTGFR (PTGFR Products) |

## Application Details

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| Application Notes: | Samples: Serum, Plasma, Cell Culture |
| Sample Volume: | 100 µL |
| Plate: | Pre-coated |
| Protocol: | The coated well immunoenzymatic assay for the quantitative measurement of serum 8-epi-PGF2α utilizes a monoclonal anti-8-epi-PGF2α and a 8-epi-PGF2α-HRP conjugate. The assay asample and buffer are incubated together with anti-8-epi-PGF2α antibody coated plate for sixty and washed. The diluted 8-epi-PGF2α-HRP conjugate is then added to each well and incubated. After the incubation period, the wells are decanted and washed three times. The wells are then incubated with a substrate for the enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stopping 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 8-epi-PGF2α concentration since 8-epi-PGF2α from samples and 8-epi-PGF2α -HRP conjugate compete for the anti-8-epi-PGF2α antibody binding site. Since the number of sites is limited, as more sites are occupied by 8-epi-PGF2α from the sample, fewer sites are left to bind 8-epi-PGF2α-HRP conjugate.Standards of known 8-epi-PGF2α concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of 8-epi-PGF2α.The unknown 8-epi-PGF2αconcentration in each sample is interpolated from this curve. |
| Restrictions: | For Research Use only |

## Handling

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| Storage: | 4 °C/-20 °C |
| Storage Comment: | The Standard, Detection Reagent A, Detection Reagent B and the 96-well strip plate should be stored at -20 °C upon being received. The other reagents can be stored at 4 °C. |

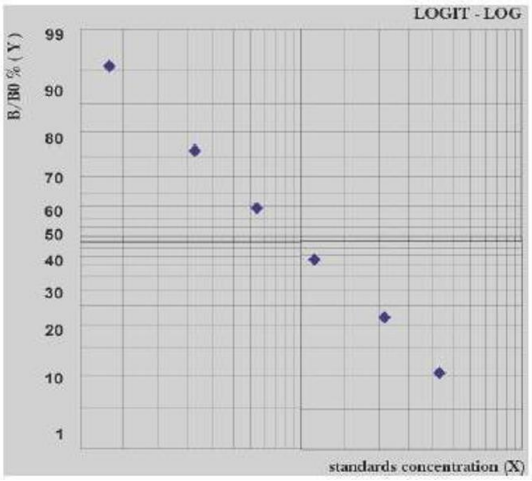


**Image 1.** Standard Curve