



User's Manual

Human 8-iso-PGF2 α (8-isoprostane) ELISA Kit



DEIA-NS2307-38



96T



This product is for research use only and is not intended for diagnostic use.

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

Creative Diagnostics

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PRODUCT INFORMATION

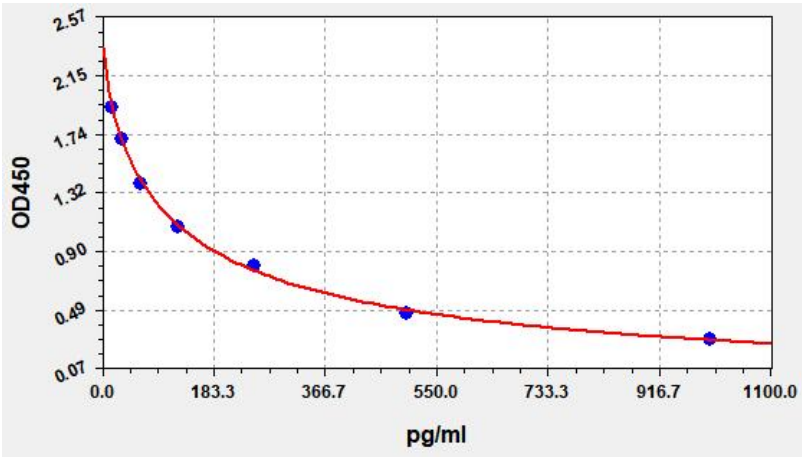
Intended Use

In vitro quantitative determination of 8-iso-PGF2α concentrations in serum, plasma, cell culture supernatant and other biological samples.

Storage

2-8 °C for 6 months

Typical Standard Curve



Performance Characteristics

Perform the stability test for the sealed kit at 37°C and 2-8°C and get relevant data.

Elisa kit(n=5)	37°C for 1 month	2-8°C for 6 months
Average (%)	80	95-100

Precision

Intra-Assay: CV<8%

Inter-Assay: CV<10%

Detection Range

15.625-1000pg/ml

Sensitivity

< 9.375pg/ml

Specificity

Specifically recognize 8-iso-PGF2 α , no obvious cross reaction with other analogues

Linearity

Dilute the sample with a certain amount of 8-iso-PGF2 α at 1:2, 1:4 and 1:8 to get the recovery range.

Matrix	1:2	1:4	1:8
Serum(n=10)	89-103%	82-99%	81-92%
EDTA Plasma(n=10)	87-103%	83-97%	92-98%
Heparin Plasma(n=10)	87-104%	85-104%	90-99%

Recovery

Add a certain amount of 8-iso-PGF2 α into the sample. Calculate the recovery by comparing the measured value with the expected amount of 8-iso-PGF2 α in the sample.

Matrix	Recovery Range (%)	Average (%)
Serum(n=10)	85-102	95
EDTA Plasma(n=10)	85-104	96
Heparin Plasma(n=10)	91-100	100