

Rat 8-iso-PGF2alpha (8-isoprostane) ELISA Kit | 8-iso-PGF2alpha elisa kit

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CATALOG #
AAA276680

REACTIVITY
Rat

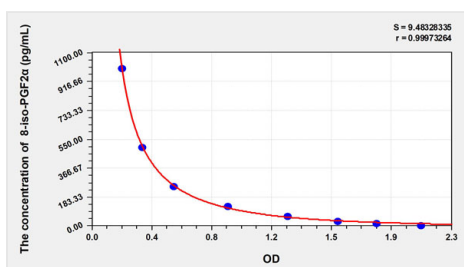
PRODUCT SYNONYMS

8-iso-PGF2alpha (8-isoprostane); Rat 8-iso-PGF2alpha (8-isoprostane) ELISA Kit; 8-isoprostane; 8-iso-PGF2alpha; 8-iso-PGF2alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat 8-iso-PGF2alpha. No significant cross-reactivity or interference between Rat 8-iso-PGF2alpha and analogues was observed.
Assay Type	Competitive
Detection Range	15.625-1000 pg/mL
Sensitivity	9.375 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.
Preparation and Storage	Store at 2-8 degree C. Stable for 6 months from date of receipt.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 8-iso-PGF2alpha elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with 8-iso-PGF2alpha(8-isoprostane) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to 8-iso-PGF2alpha(8-isoprostane). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of 8-iso-PGF2alpha(8-isoprostane) in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for 8-iso-PGF2alpha elisa kit

[Endocrinology](#); [Pulmonology](#); [Hepatology](#); [Hormone metabolism](#)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/8-iso-pgf2alpha-8-isoprostane/276680>