

## Chicken 8-Isoprostane ELISA Kit

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CATALOG #  
**AAA247745**

REACTIVITY  
**Chicken**

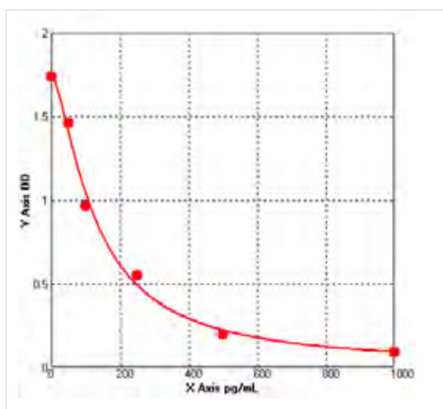
### PRODUCT SYNONYMS

8-Isoprostane; Chicken 8-Isoprostane ELISA Kit; 8-Isoprostane elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Reactivity              | Chicken                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of 8-Isoprostane. No significant cross-reactivity or interference between 8-Isoprostane and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between 8-Isoprostane and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                                            |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                                          |
| Sensitivity             | 1.0 pg/mL                                                                                                                                                                                                                                                                                                                                                                                                           |
| Intra-Assay             | CV<10%                                                                                                                                                                                                                                                                                                                                                                                                              |
| Inter-Assay             | CV<15%                                                                                                                                                                                                                                                                                                                                                                                                              |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                 |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for 8-Isoprostane elisa kit</b> | <p>Principle of the Assay: 8-Isoprostane ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-8-Isoprostane antibody and an 8-Isoprostane-HRP conjugate. The assay sample and buffer are incubated together with 8-Isoprostane-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop 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-Isoprostane concentration since 8-Isoprostane from samples and 8-Isoprostane-HRP conjugate compete for the anti-8-Isoprostane antibody binding site. Since the number of sites is limited, as more sites are occupied by 8-Isoprostane from the sample, fewer sites are left to bind 8-Isoprostane-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 8-Isoprostane concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This 8-Isoprostane ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken 8-Isoprostane. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
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**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://stage.aaabiotech.com/chicken-elisa-kits/8-isoprostane/247745>