

Goat anti-

Isoprostane (8-iso-PGF2a)

Catalog No	Lot No	Control No	Revision No	Revised By	Approved By	Storage
I9050-50	L16070755	C25091206	010623	T. Ebert	D. Fuller	-20°C

Type	Grade	Isotype	Clone No	Concentration	Accession No	Swiss Prot No
Pab	Purified	IgG		1mg/ml		

Isoprostanes are prostaglandin-like compounds that are produced by free radical mediated peroxidation of lipoproteins. Levels of 15-isoprostane F2t in biological fluids have been shown to be useful for assessment of oxidant stress in vivo. 15- isoprostane F2t has also been shown to be a potent vasoconstrictor in rat kidneys and rabbit lungs, and plays a causative role in atherogenesis. Elevated isoprostane levels are associated with hepatorenal syndrome, rheumatoid arthritis, atherosclerosis, and carcinogenesis.

Applications:

Suitable for use in ELISA, Western Blot and Immunohistochemistry. Other applications not tested.

Recommended Dilutions:

Optimal dilutions to be determined by the researcher.

Storage and Stability:

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -70°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Purity:

Purified by ammonium sulfate precipitation.

Form:

Supplied as a liquid in TBS.

Immunogen:

Synthetic 8-epi-PGF2a.

Specificity:

Recognizes 8-epi-PGF2a. *Cross-Reactivity:* 9a,11b-PGF2a: 4.1%; 13,14-dihydro-15-keto-PGF2a: 3.0%; 9b,11a-PGF2alphaa: <0.01%; PGF1alpha1a: <0.01%; 6-keto-PGF1alpha1a: <0.01%; PGE2: <0.01%; PGD2: <0.01%; Arachidonic Acid: <0.01%.

Important Note for small quantities:

Liquids: Apparent volume may be reduced due to evaporation. Add buffer to nominal volume and dilute per instructions. During shipment, small volume products may have adhered to the interior surface of the vial. To recover the maximum amount of product, centrifuge the vial lightly for 1-3 minutes and use a fine tipped pipette for removal. To recover the maximum amount of total product, wash the vial with your assay buffer/diluent. Small volumes of product (≤25ul) should be diluted for complete product recovery. Powders: During shipment, small volume products may have adhered to the interior surface of the vial. To recover the maximum amount of product, centrifuge the vial lightly. To recover the maximum amount of total product, wash the vial with your assay buffer/diluent. Small volumes ~25-50ul should be diluted for complete product recovery.

Warning: Antibodies and antigens that contain 0.01% sodium azide: NIOSH cites a potential explosion hazard due to reaction with copper, lead, brass, or solder in metal drainage pipes. Sodium azide forms hydrazoic acid in acidic conditions. Discard in a large volume of running water. Standard Laboratory Practices should be followed. The chemical, physical and toxicological properties of this material have not been thoroughly investigated. Avoid skin and eye contact, inhalation and ingestion. See European Directive 67/548/EEC (Xn Harmful).
Disclaimer: Intended for research use only, not for use in human, therapeutic or diagnostic applications. Due to the highly specific nature of antibodies and antigens we cannot predict how this reagent will react in your system. Appropriate use of controls is recommended.

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Images

