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Diabetes ELISA (14,15-DHET) Kit for Blood, Urine, Tissues and Cells

Cat # DH 1: ELISA kit for measuring 14,15-DHET in biological samples

Cat # DH 2: ELISA kit for measuring 14,15-EET/DHET in biological samples

Recent diabetic mouse and rat model studies using the Detroit R&D **14,15-DHET ELISA kit** revealed that increased EET levels by CYP2J gene therapy (Ref 2, 4, 5, 7) or soluble epoxide hydrolase gene deletion (Ref 6) reduced insulin resistance protection against diabetic nephropathy. Diabetes can be induced in lab animals by treatment with streptozotocin (Ref 5, 6) and high levels of fructose (Ref 2 and 4) or fat (Ref 7) can affect insulin resistance through alterations in P450 expression. Rat proximal tubular cells were used to study diabetic nephropathy after high glucose treatment (Ref 7). Screening of DHET levels in human plasma samples using the **14,15-DHET ELISA kit** revealed an earlier onset (<40 years old) of type-2 diabetes mellitus (T2DM) in Chinese populations with the CYP2J polymorphism (Ref 3).

Our **14,15-DHET ELISA kit** provides a powerful tool for both basic research and clinical applications. This ELISA approach is sensitive and quick for measurement of increased EET or DHET levels in various biological samples obtained from human and animals.

14,15-DHET references

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Related Products:

Other Hypertension & Oxidative Stress ELISAs
11,12-DHET/EET ELISA (Cat.# DH 2, Cat.# DH 5)
20-HETE ELISA (Cat.# 20H1)
12-HETE ELISA (Cat.#12H1)
8-Isoprostane Oxidative Stress ELISA (Cat.# 8iso1)

Antibodies

Polyclonal Rabbit anti-P450 **1B1** Human (Cat.# PH1B1)
Polyclonal Rabbit anti-P450 **2C9/2C10** Human (Cat.# P2C)
Polyclonal Rabbit anti-P450 **2C23** Rat (Cat.# P2C23DR)
Polyclonal Rabbit anti-P450 **sEH** (Rat, Human) (Cat.#SEH1)