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15-HETE Cancer/Hypertension ELISA kit

Cat # 15H 1: ELISA kit for measuring 15-HETE in biological samples

This competitive ELISA kit is for determination of 15-HETE (15-hydroxyeicosatetraenoic acid) levels in biological samples. The specificity of the 15-HETE ELISA was investigated using authentic 15-HETE and fatty acids which, based on their structure, might be anticipated to compete with 15-HETE for binding to antibodies against 15-HETE. Anti-15-HETE does not cross-react with 12-HETE or 20-HETE.

15-HETE is formed from arachidonic acid (AA) by 15-lipoxygenase (LOX) activity (1). It has been shown that 15-HETE is involved in a variety of pathological conditions including cancer (2), hypertension (3), allergic rhinitis (4) and arthritis (5). Interestingly, 15-LOX also produces lipoxins A4 and B4. This 15(S)-HETE ELISA can also be used for measurements of 15-LOX activity.

This competitive ELISA can be used for triplicate analyses of up to 24 samples and contains one 96 well plate, one vial of 15-HETE standard, one vial of 15-HETE-conjugated HRP and buffers for sample and HRP dilutions, and plate washing.

Related Products

Hypertension/Stroke ELISA kits:

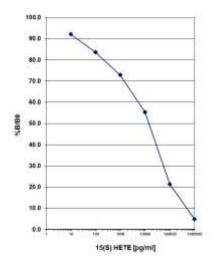
- -14,15-DHET Hypertension/Stroke ELISA
- -11,12-DHET Hypertension/Stroke ELISA
- -20-HETE Hypertension/Stroke ELISA

Cancer/Hypertension ELISA Kit:

- 12-HETE ELISA

Oxidative Stress ELISA Kit:

-8-isoprostane ELISA



References

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- Pidgeon GP, Lysaght J, Krishnamoorthy S, Reynolds JV, O'Byrne K, Nie D, Honn KV. Lipoxygenase metabolism: roles in tumor progression and survival. Cancer Metastasis Rev (2007) 26, 503–524 and references therein.
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- Ramis I, Catafau JR, Serra J, Bulbena O, Picado C, Gelpi E. In vivo release of 15-HETE and other arachidonic acid metabolites in nasal secretions during early allergic reactions. Prostaglandins (1991) 42(5):411-20
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