

## 11-dehydro-Thromboxane B<sub>2</sub>

#408010

### Description

11-dehydro-Thromboxane B<sub>2</sub> (11-dehydro-TXB<sub>2</sub>) is derived from TXB<sub>2</sub> by the action of 11-dehydrogenase. It is one of the major metabolites of TXB<sub>2</sub> in plasma and urine. Measurement of 11-dehydro-TXB<sub>2</sub> in plasma represents an approach to the assessment of thromboxane formation in the human circulation.

### Kit Contents

- 11-dehydro-TXB<sub>2</sub> Antibody-Coated Microplate (96 well)
- 11-dehydro-TXB<sub>2</sub> Standard
- 11-dehydro-TXB<sub>2</sub> Enzyme Conjugate (HRP)
- K-Blue Substrate (TMB)
- EIA Buffer
- Wash Buffer (10x)
- Extraction Buffer (5x)
- Instruction Booklet

### Cross-reactivity

11-dehydro-Thromboxane B <sub>2</sub> .....	100.00%
11-dehydro-Thromboxane B <sub>3</sub> .....	42.0%
11-dehydro-2,3-dinor-Thromboxane B <sub>2</sub> .....	24.0%
Prostaglandin D <sub>2</sub> .....	0.9%
2,3-dinor-Thromboxane B <sub>2</sub> .....	0.5%
11β-Prostaglandin F <sub>2α</sub> .....	0.3%
Thromboxane B <sub>2</sub> .....	0.08%
Prostaglandin A <sub>2</sub> .....	0.08%
Prostaglandin A <sub>1</sub> .....	0.05%
Leukotriene B <sub>4</sub> .....	0.04%
Leukotriene C <sub>4</sub> .....	0.04%
Prostaglandin B <sub>2</sub> .....	0.03%
Prostaglandin E <sub>2</sub> .....	0.03%
Thromboxane B <sub>3</sub> .....	0.03%
Prostaglandin B <sub>1</sub> .....	0.02%
Prostaglandin E <sub>1</sub> .....	0.02%
2,3-dinor-6-keto-Prostaglandin F <sub>1α</sub> .....	0.02%
6-keto-Prostaglandin F <sub>1α</sub> .....	0.02%
13,14-dihydro-15-keto-Prostaglandin F <sub>2α</sub> .....	<0.01%
15-keto-Prostaglandin F <sub>2α</sub> .....	<0.01%
6-keto-Prostaglandin E <sub>1</sub> .....	<0.01%
Leukotriene E <sub>4</sub> .....	<0.01%
Prostaglandin F <sub>1α</sub> .....	<0.01%
Prostaglandin F <sub>2α</sub> .....	<0.01%

### Specifications

Sensitivity:	
80% B/B <sub>0</sub> .....	0.3 ng/mL
50% B/B <sub>0</sub> .....	1.5 ng/mL
Assay Range.....	0.2 – 20 ng/mL
Inter-Assay CV.....	≤ 10%
Intra-Assay CV.....	≤ 10%
Size.....	96 well microplate
Assay Sample Size.....	50 μL
Total Assay Incubation Time.....	1.5 hours
Wavelength.....	650 nm, 450 nm with acid stop
Storage Conditions.....	4°C
Antibody.....	Polyclonal, Rabbit

Research use only

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