11-dehydro-TXB2 ELISA kit

The 11-dehydro-TXB_2 ELISA kit is a colorimetric competitive enzyme immunoassay kit

The 11-dehydro-TXB_2 EIA kit is a colorimetric competitive enzyme immunoassay kit with results in 3 hours. Absorbance is read at 405 nm. This kit offers ultrasensitive quantification of 11-d-TXB_2 in a variety of sample matrices with negligible reactivity with related molecules in a convenient 96-well format offers higher throughput analysis compared to conventional analytical methods.

Thromboxane A_2 (TXA_2) is involved in platelet aggregation, vasoconstriction and reproductive functions, but has a half life of only 37 seconds under physiological conditions. Thromboxane B_2 (TXB_2) is the stable product of the non-enzymatic hydration of TXA2, thus the production of TXA_2 *in vivo* is typically monitored by measurement of TXB_2 and its metabolite 2,3-dinor TXB2. 11-dehydro-TXB2 is a major metabolite of Thromboxane B_2 (TXB_2) found in urine and plasma produced by its dehydrogenation by the enzyme 11-OH-dehydrogenase.

Citations: 10 View Online »

Ordering Information

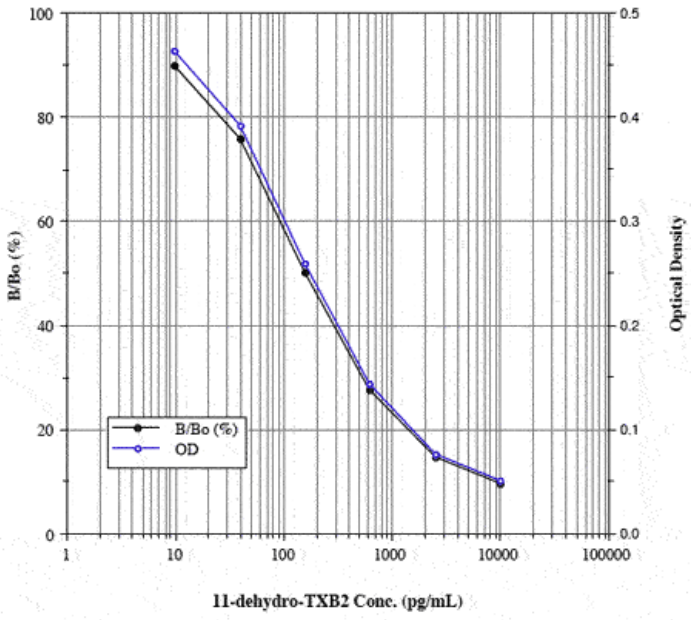
Order Online »

ADI-900-092	96 wells

Manuals, SDS & CofA

View Online »

- Higher throughput - measure up to 38 samples in duplicate in just 3 hours
- Easy-to-use - works with any standard colorimetric plate reader, no specialized training required
- Ready-to-use liquid color-coded reagents save time and reduce errors
- More sensitive than other commercially available kits
- Specific - low reactivity to structurally related molecules


B/Bo (%)
Optical Density
11-dehydro-TXB2 Conc. (pg/mL)
B/Bo (%)
OD
100
80
60
40
20
0
0.5
0.4
0.3
0.2
0.1
0.0
1
10
100
1000
10000
100000

Handling & Storage

Use/Stability	Store all components at +4°C, except standard and conjugate at -20°C.
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	11-dehydro-Thromboxane B2
Application	Colorimetric detection, ELISA
Application Notes	For the quantitative determination of 11-dehydro-TXB_2 in culture supernatants and urine from any species. Cited samples include serum.
Assay Time	3 hours
Compatibility	This product is compatible with the **Absorbance 96 Plate Reader**.
Contents	GxR IgG Microtiter plate, Assay buffer, Conjugate, Antibody, Wash buffer concentrate, Standard, pNpp Substrate, Stop solution
Sensitivity	4.31 pg/ml (range 9.8 – 10,000 pg/ml)
Species Reactivity	Species independent
Wavelength	405 nm

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