TXB_2 ELISA kit

Highly sensitive, well-validated ELISA kit with results in <3h

The TXB_2 ELISA kit is a colorimetric competitive enzyme immunoassay kit with results in < 3 hours. Absorbance is read at 405 nm. Detect COX I inhibition by measuring the production of downstream TXB_2 in a convenient 96 well plate based assay. This kit is highly cited in peer-reviewed publications in a diverse assortment of sample types including mucosa, tissue, serum, plasma, urine, and much more. The TXB_2 ELISA kit provides easy-to-use stable liquid color-coded reagents that reduce errors.

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: 56 View Online »

Ordering Information

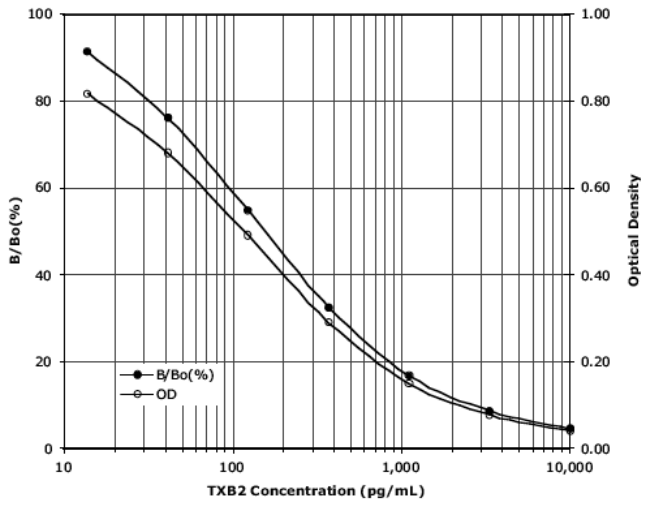
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ADI-900-002	96 wells

Manuals, SDS & CofA

View Online »

- High sensitivity measurement, detecting as little as 10.54 pg/ml of TXB_2
- High throughput format with results in < 3 hours for up to 37 samples in duplicate
- Widely cited in peer-reviewed publications in a diverse assortment of sample types including mucosa, tissue, serum, plasma, urine, and much more
- Reliable and reproducible results day-after-day and lot-after-lot


100
80
60
40
20
0
1.00
0.80
0.60
0.40
0.20
0.00
B/Bo(%)
Optical Density
B/Bo(%)
OD
10
100
1,000
10,000
TXB2 Concentration (pg/mL)

Handling & Storage

Long Term Storage +4°C

Shipping Blue Ice

Regulatory Status RUO - Research Use Only

Product Details

Alternative Name	Thromboxane B2
Application	Colorimetric detection, ELISA
Application Notes	For the quantitative determination of TXB_2 in culture supernatants, plasma, serum, saliva, and urine from any species. Cited sample types include cell lysate, coronary effluent, liver perfusate, platelets, and whole blood.
Compatibility	This product is compatible with the **Absorbance 96 Plate Reader**.
Contents	GxR IgG Microtiter plate, Conjugate, Antibody, Assay buffer, Wash buffer concentrate, Standard, pNpp Substrate, Stop solution
Sensitivity	10.54 pg/ml (range 13.7 – 10,000 pg/ml)
Species Reactivity	Species independent
Wavelength	405 nm

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