

Human TXB2 (Thromboxane B2) ELISA Kit | TXB2 elisa kit

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CATALOG #
AAA17766

REACTIVITY
Human

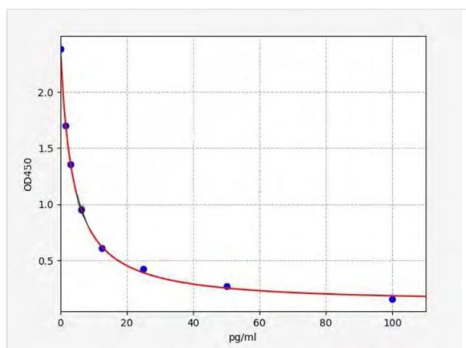
PRODUCT SYNONYMS

TXB2 (Thromboxane B2); Human TXB2 (Thromboxane B2); TXB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize TXB2, no obvious cross reaction with other analogues
Sequence Length	364
Assay Type	Competitive
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	1.563-100pg/ml
Sensitivity	0.938pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TXB2 elisa kit	Background: Thromboxane B2 is a prostaglandin derivative that is released during anaphylaxis. Thromboxane B2 induces arterial contraction and platelet aggregation. Since platelets participate in atherogenesis and contribute to acute, ischemic complications, elevated TxB2 levels may reflect ongoing cardiovascular, peripheral vascular, and cerebrovascular disease processes. TxB2 is the stable, inactive product of prostaglandin metabolism of thromboxane A2, which is renally cleared and, therefore, can be measured in the urine. Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been pre-coated with TXB2. During the reaction, TXB2 in the sample or standard competes with a fixed amount of TXB2 on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to TXB2. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm. The concentration of TXB2 in the samples is then determined by comparing the OD of the samples to the standard curve. The concentration of the target substance was inversely proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157820193
NCBI GeneID	303398
NCBI Accession #	NP_001100503.1
NCBI GenBank Nucleotide #	NM_001107033.1
NCBI Official Full Name	T-box transcription factor TBX2
NCBI Official Synonym Full Names	T-box 2
NCBI Official Symbol	Tbx2
NCBI Protein Information	T-box transcription factor TBX2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/txb2-thromboxane-b2/17766>