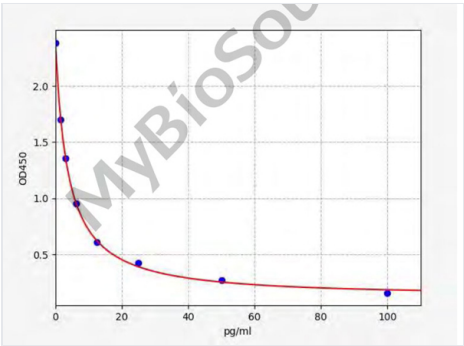
TXB2 (Thromboxane B2) (TXB2) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	TXB2 (Thromboxane B2), ELISA Kit
Full Product Name	Human TXB2 (Thromboxane B2)
Product Gene Name	TXB2 elisa kit
Species Reactivity	Human
Assay Type	Competitive
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	1.563-100pg/ml
Sensitivity	0.938pg/ml
Specificity	Specifically recognize TXB2, no obvious cross reaction with other analogues
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
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
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.
Other Notes	Small volumes of TXB2 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TXB2 purchase	MBS766152 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the TXB2 (Thromboxane B2) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing TXB2. The ELISA analytical biochemical technique of the MBS766152 kit is based on TXB2 antibody-TXB2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect TXB2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, TXB2. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of TXB2 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TXB2. It may not necessarily be applicable to this product.

NCBI GI #	157820193
NCBI GeneID	303398
NCBI Accession #	NP_001100503.1
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
Research Articles on TXB2	**1.** Diabetes mellitus is accompanied by increased renal production of angiotensin II and TXB2. The increase in TXB2 is mediated through stimulation of angiotensin type-1 receptor.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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