

Rat Thromboxane A2 (TXA2) ELISA Kit | TXA2 elisa kit

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CATALOG #
AAA330161

REACTIVITY
Rat

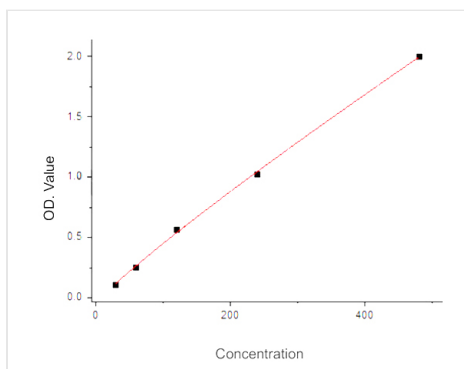
PRODUCT SYNONYMS

Thromboxane A2 (TXA2); Rat Thromboxane A2 (TXA2) ELISA Kit; TXA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Thromboxane A2 (TXA2) ELISA Kit has high sensitivity and excellent specificity for detection of Rat TXA2. No significant cross-reactivity or interference between Rat TXA2 and analogues was observed.
Assay Type	Sandwich
Samples	Rat serum, cell culture supernates and other biological fluids
Detection Range	30 ng/L - 480 ng/L
Sensitivity	< 1 ng/L
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TXA2 elisa kit	Background: Thromboxane B2 is a metabolite of thromboxane A2 which is known to be highly unstable under physiological conditions. Thromboxane B2 is recognized as a valuable substance for study of a variety of biochemical processes as well as important synthetic precursor to thromboxane A2. Several syntheses of thromboxane B2 have been completed, either in racemic form or deriving the stereocenters from a chiral pool. The Burke group is currently endeavoring to complete the total synthesis of thromboxane B2. Thromboxane B2 is an inactive metabolite/product of thromboxane A2. It is almost completely cleared in the urine. It itself is not involved in platelet activation and aggregation in case of a wound, but its precursor, thromboxane A2. Principle of the Assay: Rat Thromboxane A2 (TXA2) ELISA Kit employs a two-site sandwich ELISA to quantitate TXA2 in samples. An antibody specific for TXA2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TXA2 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Rat TXA2 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of TXA2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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/rat-elisa-kits/thromboxane-a2-txa2/330161>