

Rat Thromboxane synthase ELISA Kit | TXS elisa kit

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CATALOG #
AAA82534

REACTIVITY
Rat

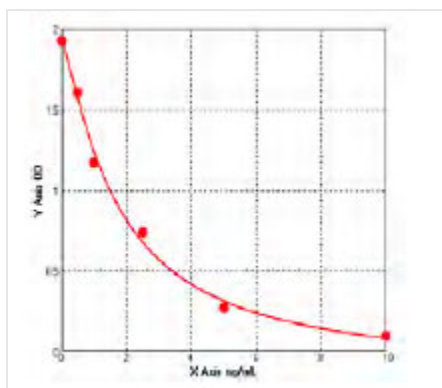
PRODUCT SYNONYMS

Thromboxane synthase; Rat Thromboxane synthase ELISA Kit; TXS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TXS elisa kit

Intended Uses: This TXS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TXS. This ELISA kit for research use only!

Principle of the Assay: TXS ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TXS antibody and an TXS-HRP conjugate. The assay sample and buffer are incubated together with TXS-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TXS concentration since TXS from samples and TXS-HRP conjugate compete for the anti-TXS antibody binding site. Since the number of sites is limited, as more sites are occupied by TXS from the sample, fewer sites are left to bind TXS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TXS concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1325919
NCBI GeneID	6916
Molecular Weight	52,287 Da
NCBI Official Full Name	thromboxane synthase
NCBI Official Synonym Full Names	thromboxane A synthase 1 (platelet)
NCBI Official Symbol	TBXAS1
NCBI Official Synonym Symbols	TS; TXS; CYP5; THAS; TXAS; CYP5A1; GHOSAL; BDPLT14
NCBI Protein Information	thromboxane-A synthase; TXA synthase; cytochrome P450 5A1; platelet, cytochrome P450, subfamily V; cytochrome P450, family 5, subfamily A, polypeptide 1
UniProt Protein Name	Thromboxane-A synthase
UniProt Gene Name	TBXAS1
UniProt Synonym Gene Names	CYP5; CYP5A1; TXA synthase; TXS
UniProt Entry Name	THAS_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/txs-rat-elisa-kits/thromboxane-synthase/82534>