

Canine Thromboxane A2 ELISA Kit | TX-A2 elisa kit

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CATALOG #
AAA90006

REACTIVITY
Canine

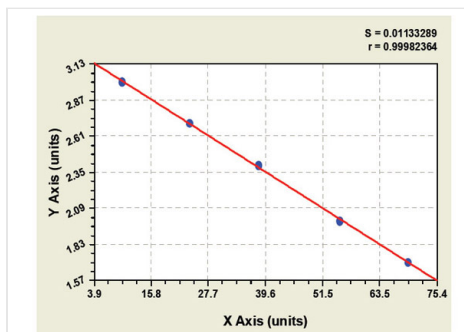
PRODUCT SYNONYMS

Thromboxane A2; Canine Thromboxane A2 ELISA Kit; TX-A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This TXA2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine TXA2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TX-A2 elisa kit

Principle of the Assay: TXA2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TXA2 antibody and an TXA2-HRP conjugate. The assay sample and buffer are incubated together with TXA2-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 TXA2 concentration since TXA2 from samples and TXA2-HRP conjugate compete for the anti-TXA2 antibody binding site. Since the number of sites is limited, as more sites are occupied by TXA2 from the sample, fewer sites are left to bind TXA2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TXA2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	260593681
NCBI GeneID	6915
NCBI Accession #	NP_963998.2
NCBI GenBank Nucleotide #	NM_201636.2
Molecular Weight	44,205 Da
NCBI Official Full Name	thromboxane A2 receptor isoform beta
NCBI Official Synonym Full Names	thromboxane A2 receptor
NCBI Official Symbol	TBXA2R
NCBI Official Synonym Symbols	TXA2-R; BDPLT13
NCBI Protein Information	thromboxane A2 receptor; prostanoid TP receptor
UniProt Protein Name	Thromboxane A2 receptor
UniProt Gene Name	TBXA2R
UniProt Synonym Gene Names	TXA2-R
UniProt Entry Name	TA2R_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.