Human Thioredoxin-Related Transmembrane Protein 1 (TMX1) ELISA Kit | TMX1 elisa kit

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CATALOG #	REACTIVITY
AAA330461	**Human**

PRODUCT SYNONYMS

Thioredoxin-Related Transmembrane Protein 1 (TMX1); Human Thioredoxin-Related Transmembrane Protein 1 (TMX1) ELISA Kit; TMX1; DKFZp564E1962; PDIA11; TMX; TXNDC; TXNDC1; protein disulfide isomerase family A; member 11; thioredoxin domain containing 1; thioredoxin domain-containing; TMX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Thioredoxin-related transmembrane protein 1 (TMX1) ELISA Kit has high sensitivity and excellent specificity for detection of Human TMX1. No significant cross-reactivity or interference between Human TMX1 and analogues was observed.
Sequence Length	278
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES

Standard Curve (Sample)
Fig.1. Human Thioredoxin-related transmembrane protein 1 (TMX1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TMX1 elisa kit	Description: This Human Thioredoxin-related transmembrane protein 1 (TMX1) ELISA Kit employs a two-site sandwich ELISA to quantitate TMX1 in samples. An antibody specific for TMX1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMX1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMX1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TMX1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TXNDC1 is a thioredoxin (TXN)-related protein with disulfide reductase activity. The deduced 280-amino acid protein has a predicted molecular mass of 31.8 kD and contains an N-terminal signal sequence, a TRX-like domain with an active site sequence CPAC, and a transmembrane domain. Northern blot analysis detected a 2.5-kb transcript in all tissues examined, with highest expression in kidney, liver, placenta, and lung. Confocal microscopy of intact HEK293 cells expressing TXNDC1 and Western analysis of subcellular fractions localized TXNDC1 primarily in the microsomal fraction in an endoplasmic reticulum (ER)-like staining pattern characterized by a diffuse network-like labeling of the cytoplasm and nuclear rim.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115494922
NCBI GeneID	509037
NCBI Accession #	NP_001068853.1
NCBI GenBank Nucleotide #	NP_001068853.1
UniProt Accession #	Q0Z7W6
NCBI Official Full Name	thioredoxin-related transmembrane protein 1
NCBI Official Synonym Full Names	thioredoxin related transmembrane protein 1
NCBI Official Symbol	TMX1
NCBI Official Synonym Symbols	TXNDC1
NCBI Protein Information	thioredoxin-related transmembrane protein 1
UniProt Protein Name	Thioredoxin-related transmembrane protein 1
UniProt Gene Name	**TMX1**
UniProt Synonym Gene Names	TXNDC1
UniProt Entry Name	TMX1_BOVIN

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/thioredoxin-related-transmembrane-protein-1-tmx1/330461