

Mouse Thioredoxin-Related Transmembrane Protein 2 (TMX2) ELISA Kit | TMX2 elisa kit

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CATALOG #
AAA332153

REACTIVITY
Mouse

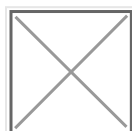
PRODUCT SYNONYMS

Thioredoxin-Related Transmembrane Protein 2 (TMX2); Mouse Thioredoxin-Related Transmembrane Protein 2 (TMX2) ELISA Kit; TMX2; CGI-31; DKFZp781O2021; MGC1111151; PDIA12; PIG26; TXNDC14; growth-inhibiting gene 11; proliferation-inducing gene 26 protein; protein disulfide isomerase family A; member 12; thioredoxin domain containi; TMX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Thioredoxin-related transmembrane protein 2 (TMX2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TMX2. No significant cross-reactivity or interference between Mouse TMX2 and analogues was observed.
Sequence Length	257
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. Mouse Thioredoxin-related transmembrane protein 2 (TMX2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TMX2 elisa kit	Description: This Mouse Thioredoxin-related transmembrane protein 2 (TMX2) ELISA Kit employs a two-site sandwich ELISA to quantitate TMX2 in samples. An antibody specific for TMX2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMX2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMX2 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 TMX2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Thioredoxin plays an important role in various cellular processes through redox regulation. The molecular cloning and characterization of one member of the thioredoxin superfamily, designated as TMX2. The TMX2 cDNA consists of 1644 nucleotides and contains an open reading frame encoding a protein of 372 amino acids with a predicted molecular mass of 42.5 kDa and an isoelectric point of 8.94. The TMX2 protein may possess an N-terminal signal peptide, a potential transmembrane domain, an Myb DNA-binding domain repeat signature, a thioredoxin consensus pattern, an endoplasmic reticulum (ER) membrane retention signal (KKXX-like motif), and a dileucine motif in the tail. Northern blot analysis shows it is widely expressed in human tissues.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	595582387
NCBI GeneID	66958
NCBI Accession #	NP_001277680.1
NCBI GenBank Nucleotide #	NP_001277680.1
UniProt Accession #	Q9D710
NCBI Official Full Name	thioredoxin-related transmembrane protein 2 isoform b
NCBI Official Synonym Full Names	thioredoxin-related transmembrane protein 2
NCBI Official Symbol	Tmx2
NCBI Official Synonym Symbols	Txndc14; AA589631; 2310042M24Rik
NCBI Protein Information	thioredoxin-related transmembrane protein 2
UniProt Protein Name	Thioredoxin-related transmembrane protein 2
UniProt Gene Name	Tmx2
UniProt Synonym Gene Names	Txndc14
UniProt Entry Name	TMX2_MOUSE

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.