Human Thioredoxin-related transmembrane protein 2 (TMX2) ELISA Kit

Catalog No: #EK6287

Package Size: #EK6287-1 48T #EK6287-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Thioredoxin-related transmembrane protein 2 (TMX2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CGI-31; DKFZp781O2021; MGC111151; PDIA12; PIG26; TXNDC14; growth-inhibiting gene 11|proliferation-inducing gene 26 protein|protein disulfide isomerase family A; member 12|thioredoxin domain containi
Accession No.	Q2TBU2
Uniprot	Q2TBU2
GeneID	509244;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay 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 anyTMX2 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.Product Overview: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.

Note: This product is for in vitro research use only