

Human Protein disulfide-isomerase TMX3 (TMX3) ELISA Kit



Catalog No: #EK6284

Orders: order@signalwayantibody.com

Package Size: #EK6284-1 48T #EK6284-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Protein disulfide-isomerase TMX3 (TMX3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLJ20793; KIAA1830; PDIA13; TXNDC10; protein disulfide isomerase family A; member 13 thioredoxin domain containing 10
Accession No.	Q96JJ7
Uniprot	Q96JJ7
GeneID	54495;
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 TMX3 in samples. An antibody specific for TMX3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTMX3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMX3 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 TMX3 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The TMX3 gene encodes a protein of 454 amino acid residues that contains a predicted N-terminal signal sequence, a single domain with sequence similarity to thioredoxin and a CGHC active site sequence, a potential transmembrane domain, and a C-terminal KKKD tetrapeptide sequence that matches the classical KKXX-type consensus sequence for ER retrieval of type I transmembrane proteins. Endogenous TMX3 contains endoglycosidase H-sensitive glycans, localizes to the ER by immunofluorescence microscopy, and is present in the membrane fraction after alkaline extraction of the ER luminal content. The TMX3 transcript is found in a variety of tissues and is not up-regulated by the unfolded protein response.

Note: This product is for in vitro research use only