Datasheet for ABIN6720303

TXN ELISA Kit

Go to Product page

Overview

Quantity:	1 kit
Target:	TXN
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: ADF, ATL-derived factor, DKFZp686B1993, MGC61975, SASP, Surface associated sulphydryl protein, Surface-associated sulphydryl protein, THIO_HUMAN, Thioredoxin, TRDX, TRX 1, Trx, TRX1, TXN, TXN protein Background: Thioredoxin is a class of small redox proteins known to be present in all organisms. It is mapped to 9q31.3. Thioredoxins are proteins that act as antioxidants by facilitating the reduction of other proteins by cysteine thiol-disulfide exchange. They can also act as electron donors to peroxidases and ribonucleotide reductase. Thioredoxin is a 12-kD oxidoreductase enzyme containing a dithiol-disulfide active site. It plays a role in many

Product Details

	important biological processes, including redox signaling. This gene also plays a central role in humans and is increasingly linked to medicine through their response to reactive oxygen species (ROS). VDUP1 is a key stress-responsive inhibitor of Thioredoxin activity in cardiomyocytes. Gene Name: TXN Production: Natural and recombinant human Thioredoxin. There is no detectable cross-reactivity with other relevant proteins. Standard: Expression system for standard: E.coli, Immunogen sequence: V2-V105

Target Details

Target:	TXN
Alternative Name:	Thioredoxin (TXN Products)
Gene ID:	7295
NCBI Accession:	NP_001231867
UniProt:	P10599
Pathways:	Carbohydrate Homeostasis, Cell RedoxHomeostasis

Application Details

Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human Thioredoxin standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin) to each empty well. It is recommended that each human Thioredoxin standard solution and each sample be measured in duplicate. Blood Product Anticoagulant: Heparin Sodium ELISA Dilution: 156pg/mL-10,000pg/mL
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.