

Human Protein Disulfide Isomerase A6 (PDIA6) ELISA Kit | PDIA6 elisa kit

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CATALOG #
AAA63509

REACTIVITY
Human

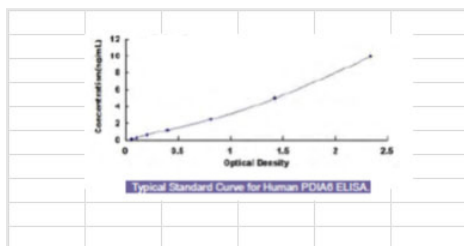
PRODUCT SYNONYMS

Protein Disulfide Isomerase A6 (PDIA6); Human Protein Disulfide Isomerase A6 (PDIA6) ELISA Kit; PDI-A6; TXNDC7; P5; ERp5; Thioredoxin Domain Containing 7(Protein Disulfide Isomerase); Protein Disulfide Isomerase-Associated 6; Endoplasmic reticulum protein 5; PDIA6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PDIA6. No significant cross-reactivity or interference between PDIA6 and analogues was observed.
Sequence Length	492
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.049ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PDIA6 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PDIA6 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDIA6 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PDIA6 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PDIA6. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PDIA6. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PDIA6, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PDIA6 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	544186032
NCBI GeneID	10130
NCBI Accession #	NP_001269633.1
NCBI GenBank Nucleotide #	NM_001282704.1
UniProt Accession #	Q15084; Q53RC7; Q6ZSH5; Q99778; B3KY95; B5MCQ5; B7Z254; B7Z4M8; F8WA83
Molecular Weight	53,261 Da
NCBI Official Full Name	protein disulfide-isomerase A6 isoform a
NCBI Official Synonym Full Names	protein disulfide isomerase family A member 6
NCBI Official Symbol	PDIA6
NCBI Official Synonym Symbols	P5; ERP5; TXNDC7
NCBI Protein Information	protein disulfide-isomerase A6
UniProt Protein Name	Protein disulfide-isomerase A6
UniProt Gene Name	PDIA6
UniProt Synonym Gene Names	ERP5; P5; TXNDC7; ER protein 5; ERp5

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.