

Human Protein Disulfide Isomerase A2 (PDIA2) ELISA Kit | PDIA2 elisa kit

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CATALOG #
AAA184760

REACTIVITY
Human

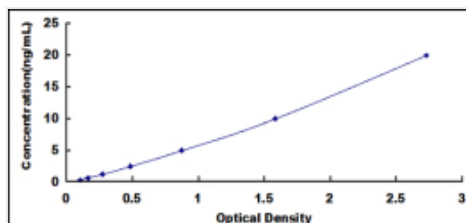
PRODUCT SYNONYMS

Protein Disulfide Isomerase A2 (PDIA2); Human Protein Disulfide Isomerase A2 (PDIA2) ELISA Kit; PDI-A2; PDA2; PDI; PDIR; PDIP; Protein Disulfide Isomerase; Pancreatic; Protein Disulfide Isomerase-Associated 2; Pancreas-specific protein disulfide isomerase; PDIA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Protein Disulfide Isomerase A2 (PDIA2). No significant cross-reactivity or interference between Protein Disulfide Isomerase A2 (PDIA2) and analogues was observed.
Sequence Length	522
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.113ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Protein Disulfide Isomerase A2 (PDIA2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Protein Disulfide Isomerase A2 (PDIA2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDIA2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Protein Disulfide Isomerase A2 (PDIA2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Protein Disulfide Isomerase A2 (PDIA2). 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 Protein Disulfide Isomerase A2 (PDIA2), 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 Protein Disulfide Isomerase A2 (PDIA2) 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 #	94966757
NCBI GeneID	64714
NCBI Accession #	NP_006840.2
NCBI GenBank Nucleotide #	NM_006849.3
UniProt Accession #	Q13087; Q2WGM4; Q4TT67; Q6B010; Q96KJ6; Q9BW95; A6ZJ64; B4DI27
Molecular Weight	57,850 Da
NCBI Official Full Name	protein disulfide-isomerase A2
NCBI Official Synonym Full Names	protein disulfide isomerase family A member 2
NCBI Official Symbol	PDIA2
NCBI Official Synonym Symbols	PDI; PDA2; PDIP; PDIR
NCBI Protein Information	protein disulfide-isomerase A2
UniProt Protein Name	Protein disulfide-isomerase A2
UniProt Gene Name	PDIA2
UniProt Synonym Gene Names	PDIP; PDIP

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.