

Human Protein Disulfide Isomerase A3 ELISA Kit | PDIA3 elisa kit

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CATALOG #
AAA101491

REACTIVITY
Human

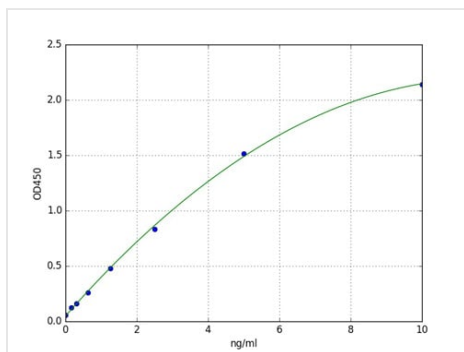
PRODUCT SYNONYMS

Protein Disulfide Isomerase A3; Human Protein Disulfide Isomerase A3 ELISA Kit; PDIA3/Erp60/GRP58/PDIA3/Disulfide isomerase ER-60/EC 5.3.4.1/endoplasmic reticulum P58/Endoplasmic reticulum resident protein 57/Endoplasmic reticulum resident protein 60/ER protein 60/ER60/ERP57/ERP5758 kDa glucose-regulated protein/ERP60/ERP6058 kDa microsomal protein/Erp61/glucose regulated protein; 58kDa/GRP57/GRP58ER protein 57/HsT17083/P58/p58/phospholipase C-alpha/PI-PLC/protein disulfide isomerase family A; member 3/protein disulfide isomerase-associated 3/protein disulfide-isomerase A3; PDIA3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	505
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human PDIA3 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.087	0.126	0.173	0.275	0.437	0.875	1.503	1.962

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDIA3 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human PDIA3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human PDIA3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human PDIA3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human PDIA3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361657
NCBI GeneID	2923
NCBI Accession #	NP_005304.3
NCBI GenBank Nucleotide #	NM_005313.4
Molecular Weight	56,782 Da
NCBI Official Full Name	protein disulfide-isomerase A3
NCBI Official Synonym Full Names	protein disulfide isomerase family A member 3
NCBI Official Symbol	PDIA3
NCBI Official Synonym Symbols	P58; ER60; ERp57; ERp60; ERp61; GRP57; GRP58; PI-PLC; HsT17083; HEL-S-269; HEL-S-93n
NCBI Protein Information	protein disulfide-isomerase A3
UniProt Protein Name	Protein disulfide-isomerase A3
UniProt Gene Name	PDIA3
UniProt Synonym Gene Names	ERP57; ERP60; GRP58; p58; ER protein 57; ERp57; ER protein 60; ERp60
UniProt Entry Name	PDIA3_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/pdia3-human-elisa-kits/protein-disulfide-isomerase-a3/101491>