

Human Thioredoxin-dependent peroxide reductase, mitochondrial ELISA Kit | PRDX3 elisa kit

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CATALOG #
AAA100405

REACTIVITY
Human

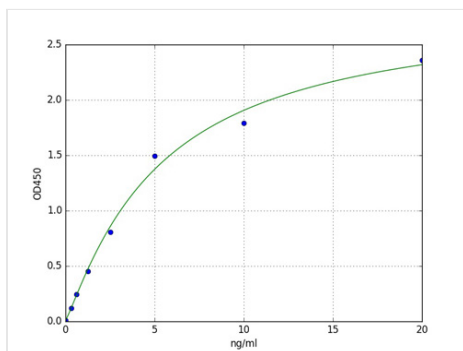
PRODUCT SYNONYMS

Thioredoxin-dependent peroxide reductase; mitochondrial; Human Thioredoxin-dependent peroxide reductase; mitochondrial ELISA Kit; PRDX3 (Peroxioredoxin-3)/AOP-1/MER5/SP-22/Antioxidant protein 1/AOP1/HBC189/peroxiredoxin 3/Peroxioredoxin III/Protein MER5 homolog/prx-III/Prx-III/thioredoxin-dependent peroxide reductase; PRDX3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	256
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/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 PRDX3 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	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.021	0.091	0.159	0.271	0.505	0.878	1.343	1.940

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRDX3 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human PRDX3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human PRDX3 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. HRPStreptavidin 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 PRDX3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human PRDX3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5802974
NCBI GeneID	10935
NCBI Accession #	NP_006784.1
NCBI GenBank Nucleotide #	NM_006793.4
Molecular Weight	25,839 Da
NCBI Official Full Name	thioredoxin-dependent peroxide reductase, mitochondrial isoform a
NCBI Official Synonym Full Names	peroxiredoxin 3
NCBI Official Symbol	PRDX3
NCBI Official Synonym Symbols	AOP1; MER5; AOP-1; SP-22; HBC189; PRO1748; prx-III
NCBI Protein Information	thioredoxin-dependent peroxide reductase, mitochondrial
UniProt Protein Name	Thioredoxin-dependent peroxide reductase, mitochondrial
UniProt Gene Name	PRDX3
UniProt Synonym Gene Names	AOP1; AOP-1; Prx-III
UniProt Entry Name	PRDX3_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/prdx3-human-elisa-kits/thioredoxin-dependent-peroxide-reductase-mitochondrial/100405>