

Mouse PRDX3 (Thioredoxin-dependent peroxide reductase, mitochondrial) ELISA Kit | PRDX3 elisa kit

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CATALOG #
AAA250965

REACTIVITY
Mouse

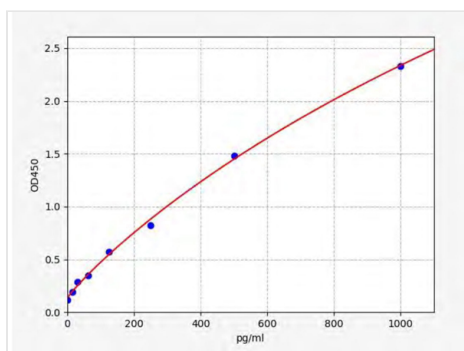
PRODUCT SYNONYMS

PRDX3 (Thioredoxin-dependent peroxide reductase; mitochondrial); Mouse PRDX3 (Thioredoxin-dependent peroxide reductase; mitochondrial) ELISA Kit; PRDX3; Thioredoxin-dependent peroxide reductase; mitochondrial; Antioxidant protein 1 (AOP-1); Peroxiredoxin-3; Protein MER5; Thioredoxin-dependent peroxiredoxin 3; PRDX3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize PRDX3, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
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)

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 PRDX3 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti PRDX3 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with PRDX3 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of PRDX3 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126986
NCBI GeneID	11757
UniProt Accession #	P20108
Molecular Weight	28,127 Da
NCBI Official Full Name	Thioredoxin-dependent peroxide reductase, mitochondrial
NCBI Official Synonym Full Names	peroxiredoxin 3
NCBI Official Symbol	Prdx3
NCBI Official Synonym Symbols	Aop1; Ef2l; Mer5; Prx3; SP22; TDXM; D0Tohi1; AW822249
NCBI Protein Information	thioredoxin-dependent peroxide reductase, mitochondrial; AOP-1; Prx III; periredoxin-3; peroxiredoxin III; antioxidant protein; anti-oxidant protein 1; mitochondrial Trx dependent peroxide reductase; mitochondrial thioredoxin dependent peroxide reductase
UniProt Protein Name	Thioredoxin-dependent peroxide reductase, mitochondrial
UniProt Gene Name	Prdx3
UniProt Synonym Gene Names	Aop1; Mer5; AOP-1
UniProt Entry Name	PRDX3_MOUSE

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/mouse-elisa-kits/prdx3-thioredoxin-dependent-peroxide-reductase-mitochondrial/250965>