

Mouse Peroxiredoxin-1 ELISA Kit | Prdx1 elisa kit

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CATALOG #
AAA17327

REACTIVITY
Mouse

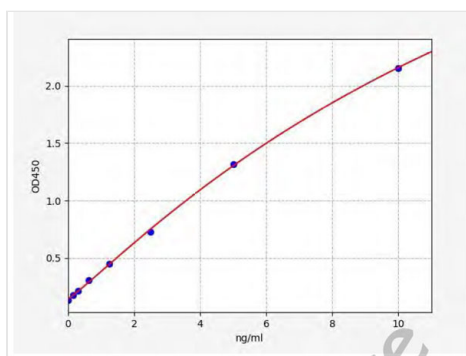
PRODUCT SYNONYMS

Peroxiredoxin-1; Mouse Peroxiredoxin-1 ELISA Kit; Prdx1/PRDX1/NKEF-A/PRDX1/PRX1/TDPX2/Natural killer cell-enhancing factor A/natural killer-enhancing factor A/NKEFA/NKEF-A/PAG/PAGAMSP23/PAGB/peroxiredoxin 1/peroxiredoxin-1/proliferation-associated gene A/Proliferation-associated gene protein/PRX1/PRX1/TDPX2/Thioredoxin peroxidase 2/Thioredoxin-dependent peroxide reductase 2; Prdx1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize Prdx1, no obvious cross reaction with other analogues
Sequence Length	199
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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 Prdx1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti Prdx1 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti Prdx1 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 Prdx1 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 Prdx1 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 #	320461711
NCBI GeneID	5052
NCBI Accession #	NP_001189360.1
NCBI GenBank Nucleotide #	NM_001202431.1
Molecular Weight	22,110 Da
NCBI Official Full Name	peroxiredoxin-1
NCBI Official Synonym Full Names	peroxiredoxin 1
NCBI Official Symbol	PRDX1
NCBI Official Synonym Symbols	PAG; PAGA; PAGB; PRX1; PRXI; MSP23; NKEFA; TDPX2; NKEF-A
NCBI Protein Information	peroxiredoxin-1
UniProt Protein Name	Peroxisredoxin-1
UniProt Gene Name	PRDX1
UniProt Synonym Gene Names	PAGA; PAGB; TDPX2; NKEF-A; PAG
UniProt Entry Name	PRDX1_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/prdx1-mouse-elisa-kits/peroxiredoxin-1/17327>