

Mouse peroxiredoxin 1 ELISA Kit | PRDX1 elisa kit

Mouse Peroxiredoxin-1, PRDX1 ELISA Kit

CATALOG #
AAA112360

REACTIVITY
Mouse

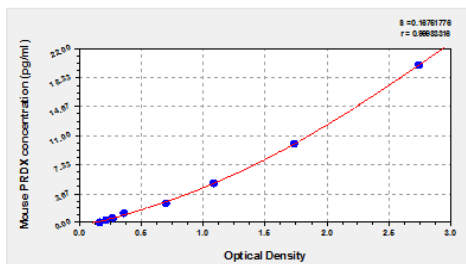
PRODUCT SYNONYMS

peroxiredoxin 1; Mouse Peroxiredoxin-1; PRDX1 ELISA Kit; Mouse Peroxiredoxin-1 (PRDX1) ELISA kit; MSP23; NKEFA; PAG; PAGA; PAGB; PRX1; PRXI; TDPX2; natural killer-enhancing factor A; proliferation-associated gene A; thioredoxin-dependent peroxide reductase 2; PRDX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse PRDX1. No significant cross-reactivity or interference between mouse PRDX1 and analogues was observed.
Sequence Length	199
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	0.312 ng/ml -20 ng/ml.
Sensitivity	The minimum detectable dose of mouse PRDX1 is typically less than 0.078 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRDX1 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PRDX1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRDX1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRDX1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PRDX1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6754976
NCBI GeneID	18477
NCBI Accession #	NP_035164.1
NCBI GenBank Nucleotide #	NM_011034.4
UniProt Accession #	P35700; Q3UBV4; Q9CWI2
Molecular Weight	22,176 Da
NCBI Official Full Name	peroxiredoxin-1
NCBI Official Synonym Full Names	peroxiredoxin 1
NCBI Official Symbol	Prdx1
NCBI Official Synonym Symbols	PAG; OSF3; Paga; Prxl; TDX2; TPxA; prx1; MSP23; NkefA; OSF-3; Prdxl; Tdpx2
NCBI Protein Information	peroxiredoxin-1; thioredoxin peroxidase 2; osteoblast specific factor 3; osteoblast-specific factor 3; macrophage 23 Kd stress protein; macrophage 23kDa stress protein; macrophase stress protein 22kDa; macrophase stress protein 23 kd; proliferation-associated gene A; macrophage 23 kDa stress protein; Trx dependent peroxide reductase 2; thioredoxin dependent peroxide reductase 2; thioredoxin-dependent peroxide reductase 2
UniProt Protein Name	Peroxiredoxin-1
UniProt Gene Name	Prdx1
UniProt Synonym Gene Names	Msp23; Paga; Tdpx2; OSF-3
UniProt Entry Name	PRDX1_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.