

Human Peroxiredoxin 5 (PRDX5) ELISA Kit | PRDX5 elisa kit

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CATALOG #
AAA63443

REACTIVITY
Human

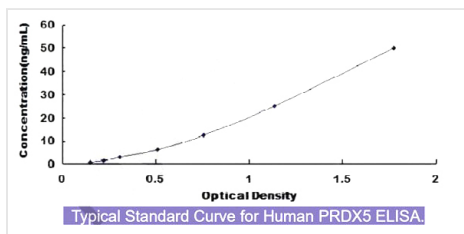
PRODUCT SYNONYMS

Peroxiredoxin 5 (PRDX5); Human Peroxiredoxin 5 (PRDX5) ELISA Kit; PLP; PRDX6; ACR1; PMP20; PRXV; SBB10; Thioredoxin Peroxidase PMP20; Peroxisomal Antioxidant Enzyme; TPx Type VI; Liver Tissue 2D-Page Spot 71B; Alu Co-Repressor 1; PRDX5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PRDX5. No significant cross-reactivity or interference between PRDX5 and analogues was observed.
Sequence Length	214
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cerebrospinal fluid or other biological fluids
Detection Range	0.781-50ng/mL
Sensitivity	< 0.34ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PRDX5 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PRDX5 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRDX5 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PRDX5. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PRDX5. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PRDX5, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of PRDX5 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PRDX5 in human tissue homogenates, cerebrospinal fluid or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6912238
NCBI GeneID	25824
NCBI Accession #	NP_036226.1
NCBI GenBank Nucleotide #	NM_012094.4
UniProt Accession #	P30044; Q14CK0; Q6IAF2; Q9UBU5; Q9UJU4; Q9UKX4; A6NC19; A6NG06; B7ZLJ4; B7ZVW3
Molecular Weight	12,897 Da
NCBI Official Full Name	peroxiredoxin-5, mitochondrial isoform a
NCBI Official Synonym Full Names	peroxiredoxin 5
NCBI Official Symbol	PRDX5
NCBI Official Synonym Symbols	PLP; ACR1; B166; PRXV; PMP20; PRDX6; prx-V; SBB110; AOEB166; HEL-S-55
NCBI Protein Information	peroxiredoxin-5, mitochondrial
UniProt Protein Name	Peroxiredoxin-5, mitochondrial
UniProt Gene Name	PRDX5
UniProt Synonym Gene Names	ACR1; AOEB166; Prx-V

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.