

Human Peroxiredoxin 3 (PRDX3) ELISA Kit | PRDX3 elisa kit

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CATALOG #
AAA42917

REACTIVITY
Human

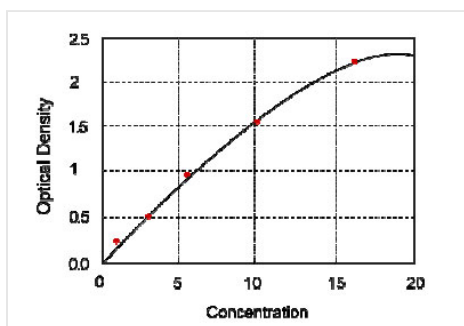
PRODUCT SYNONYMS

Peroxiredoxin 3 (PRDX3); Human Peroxiredoxin 3 (PRDX3) ELISA Kit; PRDX3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	256
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids
Detection Range	1-300ng/ml
Sensitivity	0.58ng/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRDX3 elisa kit

Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human PRDX3 antibody. PRDX3 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human PRDX3 Antibody is added and binds to PRDX3 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated PRDX3 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Human PRDX3. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

Intended Uses: This sandwich kit is for the accurate quantitative detection of Human Peroxiredoxin 3 (also known as PRDX3) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47496635
NCBI GeneID	10935
UniProt Accession #	P30048; P35690; Q0D2H1; Q13776; Q5T5V2; Q96HK4; B2R7Z0; D3DRC9; E9PH29
Molecular Weight	25,839 Da
NCBI Official Full Name	PRDX3, partial
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

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/human-elisa-kits/peroxiredoxin-3-prdx3/42917>