

Human Peroxiredoxin 4 (PRDX4) RTU ELISA Kit | PRDX4 rtu elisa kit

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CATALOG #
AAA217971

REACTIVITY
Human

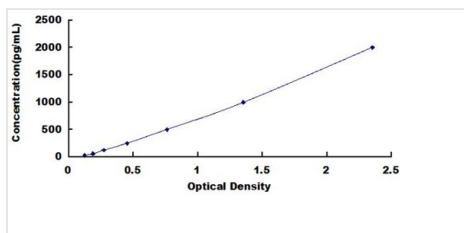
PRODUCT SYNONYMS

Peroxiredoxin 4 (PRDX4); Human Peroxiredoxin 4 (PRDX4) ELISA Kit; Antioxidant enzyme AOE372; Thioredoxin-dependent peroxide reductase A0372; PRDX4 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	271
Assay Type	Sandwich
Samples	Serum, Plasma or Other Biological Fluids.
Detection Range	31.2-2000pg/mL
Sensitivity	12.3pg/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRDX4 rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PRDX4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PRDX4. 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 PRDX4, 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 $\pm$ 10nm. The concentration of PRDX4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453549
NCBI GeneID	10549
NCBI Accession #	NP_006397.1
NCBI GenBank Nucleotide #	NM_006406.1
UniProt Accession #	Q13162; Q6FHT3
Molecular Weight	30,540 Da
NCBI Official Full Name	peroxiredoxin-4
NCBI Official Synonym Full Names	peroxiredoxin 4
NCBI Official Symbol	PRDX4
NCBI Official Synonym Symbols	PRX-4; AOE372; AOE37-2; HEL-S-97n
NCBI Protein Information	peroxiredoxin-4
UniProt Protein Name	Peroxiredoxin-4
UniProt Gene Name	PRDX4
UniProt Synonym Gene Names	AOE37-2; Prx-IV

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-rtu-elisa-kits/peroxiredoxin-4-prdx4/217971>