

Human Peroxiredoxin 2 ELISA Kit | PRDX2 elisa kit

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CATALOG #
AAA16684

REACTIVITY
Human

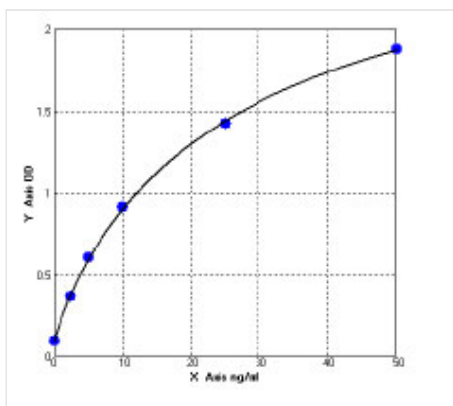
PRODUCT SYNONYMS

Peroxiredoxin 2; Human Peroxiredoxin 2 ELISA Kit; PRDX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PRDX-2. No significant cross-reactivity or interference between PRDX-2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PRDX-2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRDX2 elisa kit	Intended Uses: This PRDX-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PRDX-2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PRDX-2 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PRDX-2. Standards or samples are then added to the microtiter plate wells and PRDX-2 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PRDX-2 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for PRDX-2 are added to each well to "sandwich" the PRDX-2 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PRDX-2 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRDX-2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PRDX2 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	33188454
NCBI GeneID	7001
NCBI Accession #	NP_859428.1
NCBI GenBank Nucleotide #	NM_181738.1
Molecular Weight	15,819 Da
NCBI Official Synonym Full Names	peroxiredoxin 2
NCBI Official Symbol	PRDX2
NCBI Official Synonym Symbols	PRP; TSA; PRX2; PTX1; TPX1; NKEFB; PRXII; TDPX1; NKEF-B; HEL-S-2a
NCBI Protein Information	peroxiredoxin-2
UniProt Protein Name	Peroxiredoxin-2
UniProt Gene Name	PRDX2
UniProt Synonym Gene Names	NKEFB; TDPX1; NKEF-B; TSA
UniProt Entry Name	PRDX2_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/prdx2-human-elisa-kits/peroxiredoxin-2/16684>