

Porcine Peroxiredoxin-2 ELISA Kit | PRDX2 elisa kit

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CATALOG #
AAA90465

REACTIVITY
Porcine

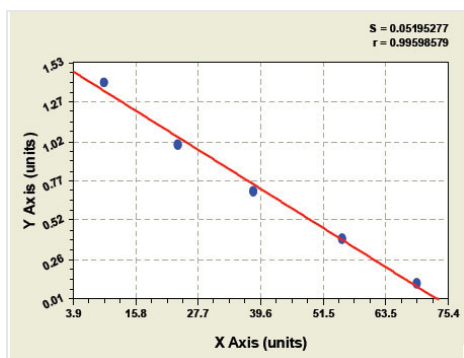
PRODUCT SYNONYMS

Peroxiredoxin-2; Porcine Peroxiredoxin-2 ELISA Kit; PRDX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL
Intended Uses	This PRDX2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine PRDX2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRDX2 elisa kit

Principle of the Assay: PRDX2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PRDX2 antibody and an PRDX2-HRP conjugate. The assay sample and buffer are incubated together with PRDX2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PRDX2 concentration since PRDX2 from samples and PRDX2-HRP conjugate compete for the anti-PRDX2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PRDX2 from the sample, fewer sites are left to bind PRDX2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRDX2 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-porcine-elisa-kits/peroxiredoxin-2/90465>