

Human Peroxiredoxin 6 ELISA Kit | PRDX6 elisa kit

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CATALOG #
AAA93793

REACTIVITY
Human

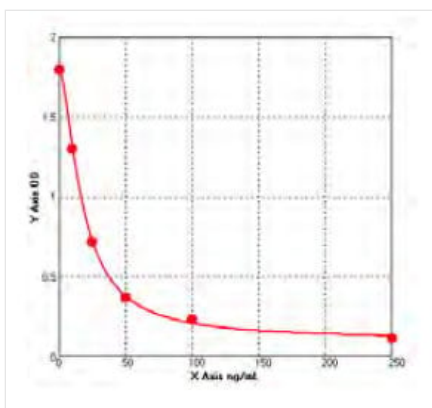
PRODUCT SYNONYMS

Peroxiredoxin 6; Human Peroxiredoxin 6 ELISA Kit; PRDX6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PRDX-6. No significant cross-reactivity or interference between PRDX-6 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PRDX-6 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	224
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Intended Uses	This PRDX6 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PRDX6. 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 PRDX6 elisa kit	Principle of the Assay: PRDX-6 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PRDX-6 antibody and an PRDX-6-HRP conjugate. The assay sample and buffer are incubated together with PRDX-6-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 PRDX-6 concentration since PRDX-6 from samples and PRDX-6-HRP conjugate compete for the anti-PRDX-6 antibody binding site. Since the number of sites is limited, as more sites are occupied by PRDX-6 from the sample, fewer sites are left to bind PRDX-6-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRDX-6 concentration in each sample is interpolated from this standard curve. Intended Uses: This PRDX-6 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PRDX-6. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758638
NCBI GeneID	9588
NCBI Accession #	NP_004896.1
NCBI GenBank Nucleotide #	NM_004905.2
UniProt Accession #	P30041; P32077; Q5TAH4; Q5ZEZ8; A8JZY7
Molecular Weight	25,035 Da
NCBI Official Full Name	peroxiredoxin-6
NCBI Official Synonym Full Names	peroxiredoxin 6
NCBI Official Symbol	PRDX6
NCBI Official Synonym Symbols	PRX; p29; AOP2; 1-Cys; NSGPx; aiPLA2; HEL-S-128m
NCBI Protein Information	peroxiredoxin-6
UniProt Protein Name	Peroxioredoxin-6
UniProt Gene Name	PRDX6
UniProt Synonym Gene Names	AOP2; KIAA0106; 1-Cys PRX; aiPLA2; NSGPx
UniProt Entry Name	PRDX6_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.