

Human Peroxiredoxin-6 (PRDX6) ELISA Kit | PRDX6 elisa kit

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CATALOG #
AAA331358

REACTIVITY
Human

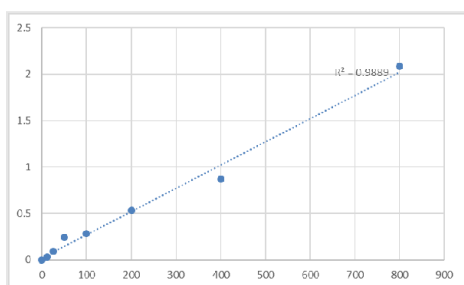
PRODUCT SYNONYMS

Peroxiredoxin-6 (PRDX6); Human Peroxiredoxin-6 (PRDX6) ELISA Kit; PRDX6; 1-Cys; AOP2; KIAA0106; MGC46173; NSGPx; PRX; aiPLA2; p29; 1-Cys peroxiredoxin; acidic calcium-independent phospholipase A2; antioxidant protein 2; non-selenium glutathione peroxidase; PRDX6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Peroxiredoxin-6 (PRDX6) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRDX6. No significant cross-reactivity or interference between Human PRDX6 and analogues was observed.
Sequence Length	224
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Peroxiredoxin-6 (PRDX6) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRDX6 elisa kit	Description: This Human Peroxiredoxin-6 (PRDX6) ELISA Kit employs a two-site sandwich ELISA to quantitate PRDX6 in samples. An antibody specific for PRDX6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRDX6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRDX6 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PRDX6 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Peroxiredoxin-6 is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H(2)O(2) and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury. Kim et al. (1997) isolated a calcium-independent lysosomal PLA2 from a human myeloblast cell line. The predicted 224-amino acid protein contained the PLA2 catalytic motif, but no other significant homology to known phospholipases. Expressed protein had significant PLA2 activity on several substrates.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1718024
NCBI GeneID	9588
UniProt Accession #	P30041
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	Peroxiredoxin-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.