

Rat Peroxiredoxin-5, mitochondrial ELISA Kit | Prdx5 elisa kit

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CATALOG #
AAA100747

REACTIVITY
Rat

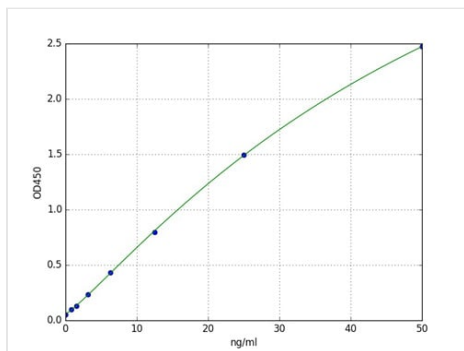
PRODUCT SYNONYMS

Peroxiredoxin-5; mitochondrial; Rat Peroxiredoxin-5; mitochondrial ELISA Kit; Prdx5/ACR1/AOEB166/AOPP/PMP20/PRXV/Peroxisomal antioxidant enzyme/Alu corepressor 1/Alu co-repressor 1/Antioxidant enzyme B166/Peroxiredoxin V/B166/Liver tissue 2D-page spot 71B/peroxiredoxin 5/peroxiredoxin-5; mitochondrial/PLPThioredoxin peroxidase PMP20/PRDX6/prx-V/SBBI10/Thioredoxin reductase/TPx type VI; Prdx5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	214
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Prdx5 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.781	1.563	3.125	6.25	12.5	25	50
Y	OD450	0.054	0.094	0.140	0.193	0.416	0.902	1.391	2.408

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Prdx5 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Prdx5 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Prdx5 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Prdx5 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Prdx5 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912238
NCBI GeneID	25824
NCBI Accession #	NP_036226.1
NCBI GenBank Nucleotide #	NM_012094.4
Molecular Weight	12,897 Da
NCBI Official Full Name	peroxiredoxin-5, mitochondrial isoform a
NCBI Official Synonym Full Names	peroxiredoxin 5
NCBI Official Symbol	PRDX5
NCBI Official Synonym Symbols	PLP; ACR1; B166; PRXV; PMP20; PRDX6; prx-V; SBBI10; AOEB166; HEL-S-55
NCBI Protein Information	peroxiredoxin-5, mitochondrial
UniProt Protein Name	Peroxiredoxin-5, mitochondrial
UniProt Gene Name	PRDX5
UniProt Synonym Gene Names	ACR1; AOEB166; Prx-V
UniProt Entry Name	PRDX5_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/prdx5-rat-elisa-kits/peroxiredoxin-5-mitochondrial/100747>