

Human Polyamine Oxidase (PAOX) ELISA Kit | PAOX elisa kit

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CATALOG #
AAA68639

REACTIVITY
Human

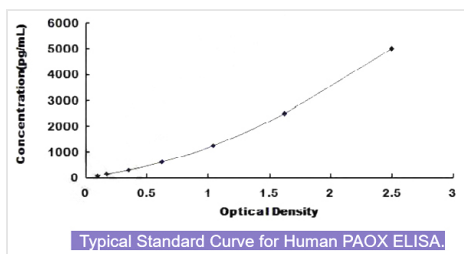
PRODUCT SYNONYMS

Polyamine Oxidase (PAOX); Human Polyamine Oxidase (PAOX) ELISA Kit; PAO; Peroxisomal N(1)-Acetyl-Spermine/Spermidine Oxidase(Exo-N4-Amino); PAOX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PAOX. No significant cross-reactivity or interference between PAOX and analogues was observed.
Sequence Length	511
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates or other biological fluids
Detection Range	78.1-5000pg/mL
Sensitivity	< 31.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PAOX were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PAOX were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAOX elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PAOX. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PAOX. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PAOX, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of PAOX in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PAOX in human serum, plasma, tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23097272
NCBI GeneID	196743
NCBI Accession #	NP_690875.1
NCBI GenBank Nucleotide #	NM_152911.3
UniProt Accession #	Q6QHF9; Q5VWY0; Q6QHF5; Q6QHF6; Q6QHF7; Q6QHF8; Q6QHG0; Q6QHG1; Q6QHG2; Q6QHG3; Q6QHG4; D3DXI6
Molecular Weight	4,499 Da
NCBI Official Full Name	peroxisomal N(1)-acetyl-spermine/spermidine oxidase isoform 1
NCBI Official Synonym Full Names	polyamine oxidase
NCBI Official Symbol	PAOX
NCBI Official Synonym Symbols	PAO
NCBI Protein Information	peroxisomal N(1)-acetyl-spermine/spermidine oxidase
UniProt Protein Name	Peroxisomal N(1)-acetyl-spermine/spermidine oxidase
UniProt Gene Name	PAOX
UniProt Synonym Gene Names	PAO

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/human-elisa-kits/polyamine-oxidase-paox/68639>