

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

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CATALOG #
AAA67097

REACTIVITY
Mouse

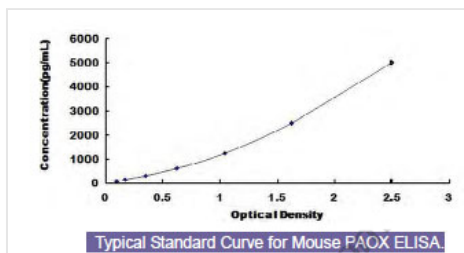
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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	504
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	78.125-5000pg/mL
Sensitivity	32pg/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%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAOX elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PAOX in mouse serum, plasma, tissue homogenates and other biological fluids. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28173566
NCBI GeneID	212503
NCBI Accession #	NP_722478.2
NCBI GenBank Nucleotide #	NM_153783.4
UniProt Accession #	Q8C0L6; Q8K254
Molecular Weight	25,262 Da
NCBI Official Full Name	peroxisomal N(1)-acetyl-spermine/spermidine oxidase isoform 1
NCBI Official Synonym Full Names	polyamine oxidase (exo-N4-amino)
NCBI Official Symbol	Paox
NCBI Official Synonym Symbols	Pao; AI118225; 2410012F02Rik
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.