

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

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CATALOG #
AAA187175

REACTIVITY
Mouse

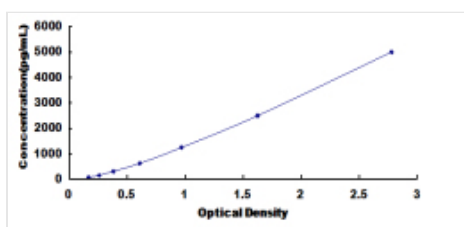
PRODUCT SYNONYMS

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 Polyamine Oxidase (PAOX). No significant cross-reactivity or interference between Polyamine Oxidase (PAOX) and analogues was observed.
Sequence Length	500
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	78.12-5000pg/mL
Sensitivity	< 32pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Polyamine Oxidase (PAOX) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Polyamine Oxidase (PAOX) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAOX elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Polyamine Oxidase (PAOX). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Polyamine Oxidase (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 Polyamine Oxidase (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 Polyamine Oxidase (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 #	162459777
NCBI GeneID	541983
NCBI Accession #	NP_001105106.1
NCBI GenBank Nucleotide #	NM_001111636.1
UniProt Accession #	O64411
Molecular Weight	56,344 Da
NCBI Official Full Name	polyamine oxidase
NCBI Official Symbol	pao1
NCBI Official Synonym Symbols	PAO; mpao1; GRMZM2G034152
NCBI Protein Information	polyamine oxidase
UniProt Protein Name	Polyamine oxidase
UniProt Gene Name	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/mouse-elisa-kits/polyamine-oxidase-paox/187175>