

Rat Protoporphyrinogen Oxidase (PPOX) ELISA Kit | PPOX elisa kit

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CATALOG #
AAA186974

REACTIVITY
Rat

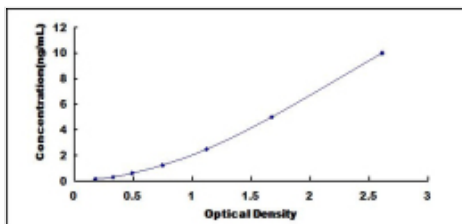
PRODUCT SYNONYMS

Protoporphyrinogen Oxidase (PPOX); Rat Protoporphyrinogen Oxidase (PPOX) ELISA Kit; VP; PPO; V290M; Variegate Porphyrin; PPOX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Protoporphyrinogen Oxidase (PPOX). No significant cross-reactivity or interference between Protoporphyrinogen Oxidase (PPOX) and analogues was observed.
Sequence Length	477
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.052ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Protoporphyrinogen Oxidase (PPOX) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Protoporphyrinogen Oxidase (PPOX) 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 PPOX 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 Protoporphyrinogen Oxidase (PPOX). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Protoporphyrinogen Oxidase (PPOX). 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 Protoporphyrinogen Oxidase (PPOX), 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 Protoporphyrinogen Oxidase (PPOX) 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 #	170650615
NCBI GeneID	5498
NCBI Accession #	NP_001116236.1
NCBI GenBank Nucleotide #	NM_001122764.2
UniProt Accession #	P50336; Q5VTW8; D3DVG0
Molecular Weight	50,765 Da
NCBI Official Full Name	protoporphyrinogen oxidase isoform 1
NCBI Official Synonym Full Names	protoporphyrinogen oxidase
NCBI Official Symbol	PPOX
NCBI Official Synonym Symbols	VP; PPO; V290M
NCBI Protein Information	protoporphyrinogen oxidase
UniProt Protein Name	Protoporphyrinogen oxidase
UniProt Gene Name	PPOX
UniProt Synonym Gene Names	PPO

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/rat-elisa-kits/protoporphyrinogen-oxidase-ppox/186974>