

Mouse Lysyl Oxidase (LOX) ELISA Kit | LOX elisa kit

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CATALOG #
AAA65375

REACTIVITY
Mouse

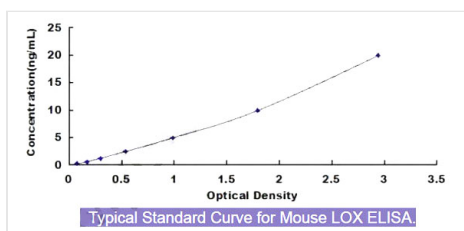
PRODUCT SYNONYMS

Lysyl Oxidase (LOX); Mouse Lysyl Oxidase (LOX) ELISA Kit; Protein-Lysine 6-Oxidase; LOX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of LOX. No significant cross-reactivity or interference between LOX and analogues was observed.
Sequence Length	411
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.128ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LOX 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 LOX 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 LOX elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LOX. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to LOX. 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 LOX, 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 LOX 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 LOX in mouse serum, plasma, tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	555943929
NCBI GeneID	16948
NCBI Accession #	NP_001273110.1
NCBI GenBank Nucleotide #	NM_001286181.1
UniProt Accession #	P28301
Molecular Weight	46,701 Da
NCBI Official Full Name	protein-lysine 6-oxidase preproprotein
NCBI Official Synonym Full Names	lysyl oxidase
NCBI Official Symbol	Lox
NCBI Official Synonym Symbols	rrg; TSC-160; AI893619
NCBI Protein Information	protein-lysine 6-oxidase
UniProt Protein Name	Protein-lysine 6-oxidase
UniProt Gene Name	Lox
UniProt Synonym Gene Names	Rrg

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/lysyl-oxidase-lox/65375>