

Human Lysyl oxidase ELISA Kit | LOX elisa kit

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CATALOG #
AAA17105

REACTIVITY
Human

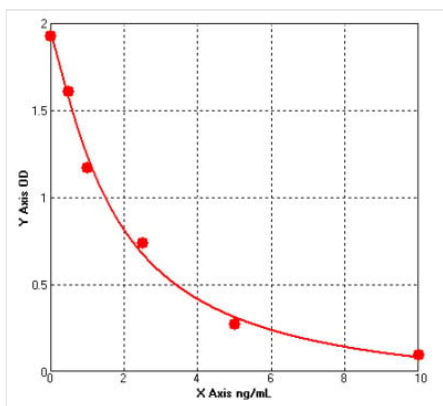
PRODUCT SYNONYMS

Lysyl oxidase; Human Lysyl oxidase ELISA Kit; LOX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LOX and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LOX elisa kit	Principle of the Assay: LOX ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LOX antibody and an LOX-HRP conjugate. The assay sample and buffer are incubated together with LOX-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LOX concentration since LOX from samples and LOX-HRP conjugate compete for the anti-LOX antibody binding site. Since the number of sites is limited, as more sites are occupied by LOX from the sample, fewer sites are left to bind LOX-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LOX concentration in each sample is interpolated from this standard curve. Intended Uses: This LOX ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LOX. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	257065
NCBI GeneID	4015
Molecular Weight	46,944 Da
NCBI Official Full Name	lysyl oxidase
NCBI Official Synonym Full Names	lysyl oxidase
NCBI Official Symbol	LOX
NCBI Protein Information	protein-lysine 6-oxidase
UniProt Protein Name	Protein-lysine 6-oxidase
UniProt Gene Name	LOX
UniProt Entry Name	LYOX_HUMAN

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/lox-human-elisa-kits/lysyl-oxidase/17105>