

Human Protein-lysine 6-oxidase ELISA Kit | LOX elisa kit

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CATALOG #
AAA193475

REACTIVITY
Human

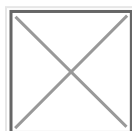
PRODUCT SYNONYMS

Protein-lysine 6-oxidase; Human Protein-lysine 6-oxidase ELISA Kit; Lysyl oxidase; LOX; 1.4.3.13; LOX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human Protein-lysine 6-oxidase. No significant cross-reactivity or interference was observed.
Sequence Length	417
Assay Type	Sandwich
Detection Range	0.156-10 ng/mL
Sensitivity	0.091 ng/mL
Intra-Assay CV	<=7.2%
Inter-Assay CV	<=10.7%
Recovery	104%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LOX elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human Protein-lysine 6-oxidase concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Protein-lysine 6-oxidase. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Protein-lysine 6-oxidase and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Protein-lysine 6-oxidase, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Protein-lysine 6-oxidase in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20149540
NCBI GeneID	4015
NCBI Accession #	NP_002308.2
NCBI GenBank Nucleotide #	NM_002317.6
UniProt Accession #	P28300; Q5FWF0; B2R5Q3
Molecular Weight	46,944 Da
NCBI Official Full Name	protein-lysine 6-oxidase isoform 1 preproprotein
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/protein-lysine-6-oxidase/193475>