

Human L-amino acid oxidase (LAO) ELISA Kit | LAO elisa kit

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CATALOG # AAA56006	REACTIVITY Human
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PRODUCT SYNONYMS

L-amino acid oxidase (LAO); Human L-amino acid oxidase (LAO) ELISA Kit; FIG1; Fig-1 protein; interleukin 4 induced protein 1; interleukin four induced 1; LAO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human LAO. No significant cross-reactivity or interference between Human LAO and analogues was observed.
Sequence Length	589
Samples	Serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.625 ng/mL - 40 ng/mL
Sensitivity	0.31 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for LAO elisa kit	Intended Uses: For the quantitative detection of Human L-amino acid oxidase (LAO) concentration in serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate LAO in Human serum, plasma, tissue homogenates. An antibody specific for LAO has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LAO present is bound by the immobilized antibody. After removing any unbound substances, a biotin- conjugated antibody specific for LAO is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LAO bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	384381475
NCBI GeneID	259307
NCBI Accession #	NP_001244946.1
NCBI GenBank Nucleotide #	NM_001258017.1

UniProt Accession #	Q96RQ9; Q1WMJ3; Q4GZN1; Q4GZN2; Q6P2Q3; Q8TEM5; Q96RQ8
Molecular Weight	65,328 Da
NCBI Official Full Name	L-amino-acid oxidase isoform 2
NCBI Official Synonym Full Names	interleukin 4 induced 1
NCBI Official Symbol	IL4I1
NCBI Official Synonym Symbols	LAO; FIG1; LAAO
NCBI Protein Information	L-amino-acid oxidase
UniProt Protein Name	L-amino-acid oxidase
UniProt Gene Name	IL4I1
UniProt Synonym Gene Names	FIG1; LAAO; LAO; IL4-induced protein 1; hFIG1

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://www.aaabiotech.com/human-elisa-kits/l-amino-acid-oxidase-lao/56006>