

Human LAL (Lysosomal Acid Lipase) ELISA Kit | LAL elisa kit

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CATALOG #
AAA277862

REACTIVITY
Human

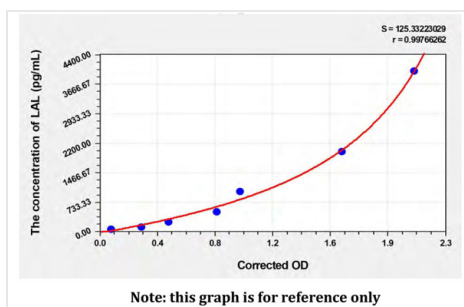
PRODUCT SYNONYMS

LAL (Lysosomal Acid Lipase); Human LAL (Lysosomal Acid Lipase) ELISA Kit; LIPA; CESD; Lipase A; Lysosomal Acid; Cholesterol Esterase (Wolman Disease); Acid Cholesteryl Ester Hydrolase; Lysosomal acid lipase/cholesteryl ester hydrolase; LAL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human LAL. No significant cross-reactivity or interference between Human LAL and analogues was observed.
Assay Type	Sandwich
Detection Range	62.5-4000 pg/mL
Sensitivity	26.1 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LAL elisa kit

Principle of the Assay: 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 Human LAL. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human LAL. 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 Human LAL, 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 Human LAL in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	68067636
NCBI GeneID	3988
UniProt Accession #	P38571; Q16529; Q53H21; Q5T074; Q5T771; Q96EJ0; B2RBH5; D3DR29
Molecular Weight	45,419 Da
NCBI Official Full Name	Lysosomal acid lipase/cholesteryl ester hydrolase
NCBI Official Synonym Full Names	lipase A, lysosomal acid, cholesterol esterase
NCBI Official Symbol	LIPA
NCBI Official Synonym Symbols	LAL; CESD
NCBI Protein Information	lysosomal acid lipase/cholesteryl ester hydrolase; sterol esterase; cholesteryl esterase; cholesterol ester hydrolase; acid cholesteryl ester hydrolase
UniProt Protein Name	Lysosomal acid lipase/cholesteryl ester hydrolase
UniProt Gene Name	LIPA
UniProt Synonym Gene Names	Acid cholesteryl ester hydrolase; LAL
UniProt Entry Name	LICH_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/human-elisa-kits/lal-lysosomal-acid-lipase/277862>