

Human 15 Lipoxygenase ELISA Kit | LOX 15 elisa kit

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CATALOG #
AAA83486

REACTIVITY
Human

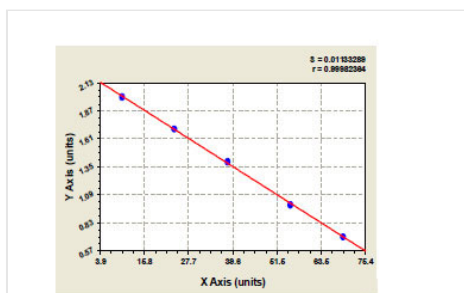
PRODUCT SYNONYMS

15 Lipoxygenase; Human 15 Lipoxygenase ELISA Kit; LOX 15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LOX 15 elisa kit

Intended Uses: This LOX-15 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LOX-15. This ELISA kit for research use only!

Principle of the Assay: LOX-15 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-LOX-15 antibody and an LOX-15-HRP conjugate. The assay sample and buffer are incubated together with LOX-15-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-15 concentration since LOX-15 from samples and LOX-15-HRP conjugate compete for the anti-LOX-15 antibody binding site. Since the number of sites is limited, as more sites are occupied by LOX-15 from the sample, fewer sites are left to bind LOX-15-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LOX-15 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	307135
NCBI GeneID	246
Molecular Weight	74,804 Da
NCBI Official Full Name	15-lipoxygenase
NCBI Official Synonym Full Names	arachidonate 15-lipoxygenase
NCBI Official Symbol	ALOX15
NCBI Official Synonym Symbols	12-LOX; 15LOX-1; 15-LOX-1
NCBI Protein Information	arachidonate 15-lipoxygenase; 15-LOX; 12/15-lipoxygenase; 15-lipoxygenase-1; arachidonate omega-6 lipoxygenase; arachidonate 12-lipoxygenase, leukocyte-type
UniProt Protein Name	Arachidonate 15-lipoxygenase
UniProt Gene Name	ALOX15
UniProt Synonym Gene Names	LOG15; 15-LOX; 15-LOX-1; 12-LOX
UniProt Entry Name	LOX15_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-15-human-elisa-kits/15-lipoxygenase/83486>