

Human Arachidonate 12-Lipoxygenase ELISA Kit | 12-LO elisa kit

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CATALOG #
AAA101777

REACTIVITY
Human

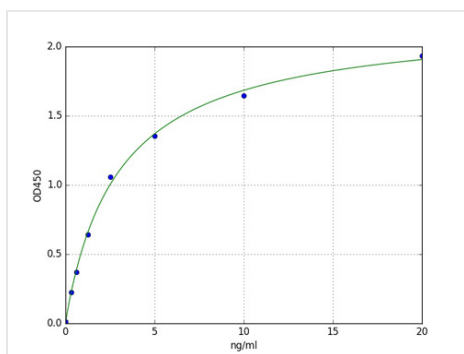
PRODUCT SYNONYMS

Arachidonate 12-Lipoxygenase; Human Arachidonate 12-Lipoxygenase ELISA Kit; 12-LO (Arachidonate 12-Lipoxygenase)/ALOX12/LOG12/12S-LOX/12S-lipoxygenase/Platelet-type lipoxygenase 12/Platelet-type lipoxygenase 12; 12-LO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	112
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human 12-LO ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.011	0.117	0.237	0.465	0.880	1.408	2.101	2.356

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 12-LO elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human 12-LO antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human 12-LO antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human 12-LO amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human 12-LO can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	219393
NCBI GeneID	239
Molecular Weight	75,694 Da
NCBI Official Full Name	arachidonate 12-lipoxygenase, partial
NCBI Official Synonym Full Names	arachidonate 12-lipoxygenase
NCBI Official Symbol	ALOX12
NCBI Official Synonym Symbols	LOG12; 12-LOX; 12S-LOX
NCBI Protein Information	arachidonate 12-lipoxygenase, 12S-type
UniProt Protein Name	Arachidonate 12-lipoxygenase, 12S-type
UniProt Gene Name	ALOX12
UniProt Synonym Gene Names	12LO; LOG12; 12S-LOX; 12S-lipoxygenase
UniProt Entry Name	LOX12_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/12-lo-human-elisa-kits/arachidonate-12-lipoxygenase/101777>