

Human Arachidonate Lipoygenase 5 ELISA Kit | ALOX5 elisa kit

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CATALOG #
AAA100640

REACTIVITY
Human

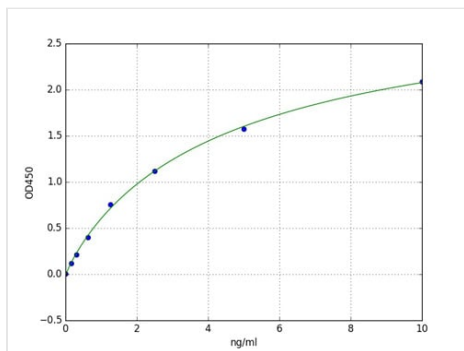
PRODUCT SYNONYMS

Arachidonate Lipoygenase 5; Human Arachidonate Lipoygenase 5 ELISA Kit; 5-LO (Arachidonate 5-Lipoygenase)/ALOX5/5LPG/LOG5/LOX5A/5-lipoygenase/5-LOX/arachidonic 5-lipoygenase alpha-10 isoform/arachidonic 5-lipoygenase delta-10-13 isoform/arachidonic 5-lipoygenase delta-13 isoform/arachidonic acid 5-lipoygenase/leukotriene A4 synthase; ALOX5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	617
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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 5-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	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.059	0.279	0.686	0.965	1.456	1.886	2.230	2.321

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALOX5 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human 5-LO antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human 5-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 5-LO amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human 5-LO can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	371877598
NCBI GeneID	240
NCBI Accession #	NP_001243083.1
NCBI GenBank Nucleotide #	NM_001256154.1
Molecular Weight	56,291 Da
NCBI Official Full Name	arachidonate 5-lipoxygenase isoform 3
NCBI Official Synonym Full Names	arachidonate 5-lipoxygenase
NCBI Official Symbol	ALOX5
NCBI Official Synonym Symbols	5-LO; 5LPG; LOG5; 5-LOX
NCBI Protein Information	arachidonate 5-lipoxygenase
UniProt Protein Name	Arachidonate 5-lipoxygenase
UniProt Gene Name	ALOX5
UniProt Synonym Gene Names	LOG5; 5-LO; 5-lipoxygenase
UniProt Entry Name	LOX5_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/alox5-human-elisa-kits/arachidonate-lipoxygenase-5/100640>