

Mouse Arachidonate 5-Lipoxygenase ELISA Kit | 5-LO elisa kit

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CATALOG #
AAA99426

REACTIVITY
Mouse

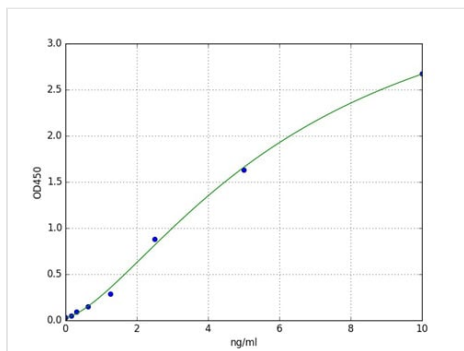
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	673
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 Mouse 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	0.082	0.142	0.169	0.265	0.473	0.796	1.471	2.165

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 5-LO elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	528078462
NCBI GeneID	101839970
NCBI Accession #	NP_001268516.1
NCBI GenBank Nucleotide #	NM_001281587.1
Molecular Weight	77,873 Da
NCBI Official Full Name	arachidonate 5-lipoxygenase
NCBI Official Symbol	Alox5
NCBI Official Synonym Symbols	5-LO
NCBI Protein Information	arachidonate 5-lipoxygenase
UniProt Protein Name	Arachidonate 5-lipoxygenase
UniProt Gene Name	ALOX5
UniProt Synonym Gene Names	5-LO; 5-lipoxygenase
UniProt Entry Name	LOX5_MESAU

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/5-lo-mouse-elisa-kits/arachidonate-5-lipoxygenase/99426>