

Monkey Arachidonate 5-lipoxygenase ELISA Kit | ALOX-5 elisa kit

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CATALOG #
AAA92050

REACTIVITY
Monkey

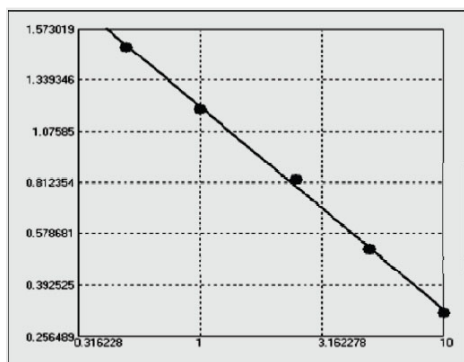
PRODUCT SYNONYMS

Arachidonate 5-lipoxygenase; Monkey Arachidonate 5-lipoxygenase ELISA Kit; ALOX-5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ALOX-5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey ALOX-5. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALOX-5 elisa kit

Principle of the assay: ALOX-5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ALOX-5 antibody and an ALOX-5-HRP conjugate. The assay sample and buffer are incubated together with ALOX-5-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 ALOX-5 concentration since ALOX-5 from samples and ALOX-5-HRP conjugate compete for the anti-ALOX-5 antibody binding site. Since the number of sites is limited, as more sites are occupied by ALOX-5 from the sample, fewer sites are left to bind ALOX-5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALOX-5 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124376534
NCBI GeneID	240
Molecular Weight	56,291 Da
NCBI Official Full Name	Arachidonate 5-lipoxygenase
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; LOX-5; leukotriene A4 synthase; arachidonic acid 5-lipoxygenase; arachidonic 5-lipoxygenase alpha-10 isoform; arachidonic 5-lipoxygenase delta-13 isoform; arachidonic 5-lipoxygenase delta-p10 isoform; arachidonic 5-lipoxygenase delta-10-13 isoform
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.

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Online datasheet: <https://stage.aaabiotech.com/alox-5-monkey-elisa-kits/arachidonate-5-lipoxygenase/92050>