

Goat 5-lipoxygenase ELISA Kit | 5-LO elisa kit

Goat 5-lipoxygenase ELISA Kit

CATALOG #
AAA93255

REACTIVITY
Goat

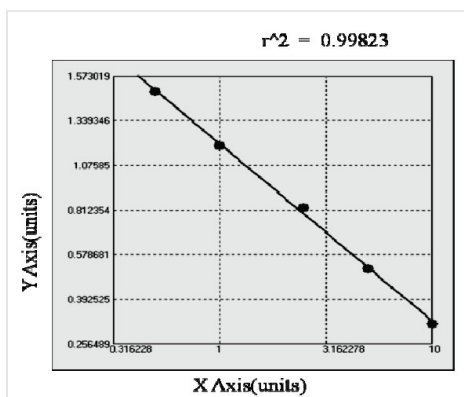
PRODUCT SYNONYMS

5-lipoxygenase; Goat 5-lipoxygenase ELISA Kit; 5-LO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This LOX5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat LOX5. 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 5-LO elisa kit

Principle of the Assay: LOX5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LOX5 antibody and an LOX5-HRP conjugate. The assay sample and buffer are incubated together with LOX5-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 LOX5 concentration since LOX5 from samples and LOX5-HRP conjugate compete for the anti-LOX5 antibody binding site. Since the number of sites is limited, as more sites are occupied by LOX5 from the sample, fewer sites are left to bind LOX5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LOX5 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	187167
NCBI GeneID	240
Molecular Weight	56,291 Da
NCBI Official Full Name	5-lipoxygenase, partial
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/5-lo-goat-elisa-kits/5-lipoxygenase/93255>