

Bovine 12-Lipoxygenase ELISA Kit | LOX-12 elisa kit

Bovine 12-Lipoxygenase ELISA Kit

CATALOG #
AAA89718

REACTIVITY
Bovine

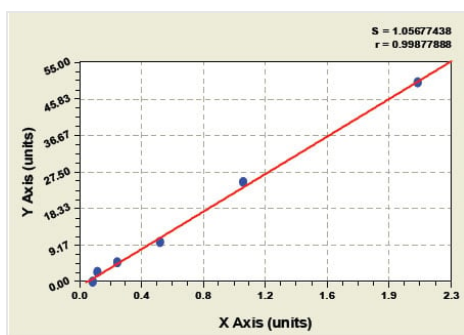
PRODUCT SYNONYMS

12-Lipoxygenase; Bovine 12-Lipoxygenase ELISA Kit; LOX-12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LOX-12 elisa kit

Intended Uses: This LOX-12 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine LOX-12. This ELISA kit for research use only!

Principle of the Assay: LOX-12 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for LOX-12. Standards or samples are then added to the microtiter plate wells and LOX-12 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of LOX-12 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for LOX-12 are added to each well to "sandwich" the LOX-12 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain LOX-12 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LOX-12 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	553159
NCBI GeneID	246
Molecular Weight	74,804 Da
NCBI Official Full Name	12-lipoxygenase, partial
NCBI Official Synonym Full Names	arachidonate 15-lipoxygenase
NCBI Official Symbol	ALOX15
NCBI Official Synonym Symbols	12-LOX; 15LOX-1; 15-LOX-1
NCBI Protein Information	arachidonate 15-lipoxygenase; 15-LOX; 12/15-lipoxygenase; 15-lipoxygenase-1; arachidonate omega-6 lipoxygenase; arachidonate 12-lipoxygenase, leukocyte-type
UniProt Protein Name	Arachidonate 15-lipoxygenase
UniProt Gene Name	ALOX15
UniProt Synonym Gene Names	LOG15; 15-LOX; 15-LOX-1; 12-LOX
UniProt Entry Name	LOX15_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/lox-12-bovine-ovine-elisa-kits/12-lipoxygenase/89718>