

Human arachidonate 12-lipoxygenase ELISA Kit | ALOX12 elisa kit

Human Arachidonate 12-lipoxygenase, 12S-type, ALOX12/LOG12 ELISA Kit

CATALOG #
AAA80930

REACTIVITY
Human

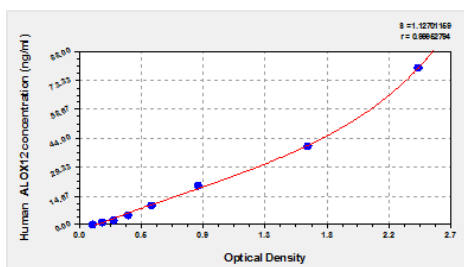
PRODUCT SYNONYMS

arachidonate 12-lipoxygenase; Human Arachidonate 12-lipoxygenase; 12S-type; ALOX12/LOG12 ELISA Kit; 12S-type (ALOX12/LOG12) ELISA kit; 12-LOX; 12S-LOX; LOG12; 12 (S) -lipoxygenase; platelet-type 12-lipoxygenase; ALOX12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human ALOX12/LOG12. No significant cross-reactivity or interference between human ALOX12/LOG12 and analogues was observed.
Sequence Length	663
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Detection Range	1.25 ng/ml-80 ng/ml
Sensitivity	< 0.31 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALOX12 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ALOX12/LOG12 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ALOX12/LOG12 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ALOX12/LOG12 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ALOX12/LOG12 bound in the initial step. The color development is stopped and the intensity of the color is measured.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	154426292
NCBI GeneID	239
NCBI Accession #	NP_000688.2
NCBI GenBank Nucleotide #	NM_000697.2
UniProt Accession #	P18054; O95569; Q6ISF8; Q9UQM4
Molecular Weight	75,694 Da
NCBI Official Full Name	arachidonate 12-lipoxygenase, 12S-type
NCBI Official Synonym Full Names	arachidonate 12-lipoxygenase
NCBI Official Symbol	ALOX12
NCBI Official Synonym Symbols	LOG12; 12-LOX; 12S-LOX
NCBI Protein Information	arachidonate 12-lipoxygenase, 12S-type; platelet 12-LOX; 12S-lipoxygenase; lipoxin synthase 12-LO; platelet-type 12-lipoxygenase; platelet-type lipoxygenase 12
UniProt Protein Name	Arachidonate 12-lipoxygenase, 12S-type
UniProt Gene Name	ALOX12
UniProt Synonym Gene Names	12LO; LOG12; 12S-LOX; 12S-lipoxygenase
UniProt Entry Name	LOX12_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/alox12-human-elisa-kits/arachidonate-12-lipoxygenase/80930>