

Human arachidonate 5-lipoxygenase, ALOX-5 ELISA Kit | ALOX-5 elisa kit

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CATALOG #
AAA41543

REACTIVITY
Human

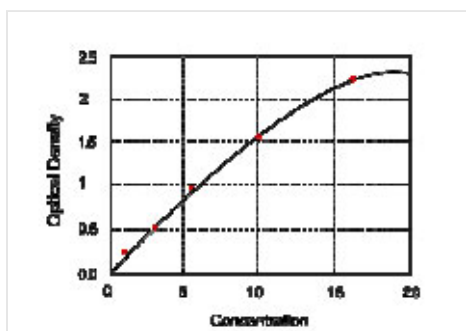
PRODUCT SYNONYMS

arachidonate 5-lipoxygenase; ALOX-5; Human arachidonate 5-lipoxygenase; ALOX-5 ELISA Kit; ALOX-5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	674
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.1ng/ml - 40ng/ml
Sensitivity	0.051ng/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALOX-5 elisa kit	Intended Uses: This sandwich kit is for the accurate quantitative detection of human Arachidonate 5-lipoxygenase (also known as ALOX-5) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates. Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human ALOX-5 antibody. ALOX-5 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human ALOX-5 Antibody is added and binds to ALOX-5 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated ALOX-5 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human ALOX-5. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62526037
NCBI GeneID	11689
NCBI Accession #	NP_033792.1
NCBI GenBank Nucleotide #	NM_009662.2
UniProt Accession #	P48999; Q3TB75
Molecular Weight	77,967 Da
NCBI Official Full Name	arachidonate 5-lipoxygenase
NCBI Official Synonym Full Names	arachidonate 5-lipoxygenase
NCBI Official Symbol	Alox5
NCBI Official Synonym Symbols	5LO; 5LX; 5-LO; 5-LOX; AI850497; F730011J02
NCBI Protein Information	arachidonate 5-lipoxygenase
UniProt Protein Name	Arachidonate 5-lipoxygenase
UniProt Gene Name	Alox5
UniProt Synonym Gene Names	5-LO; 5-lipoxygenase

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.