

Human Leukotriene A4 Hydrolase (LTA4H) ELISA Kit | LTA4H elisa kit

Human Leukotriene A4 Hydrolase (LTA4H) ELISA Kit

CATALOG #
AAA186189

REACTIVITY
Human

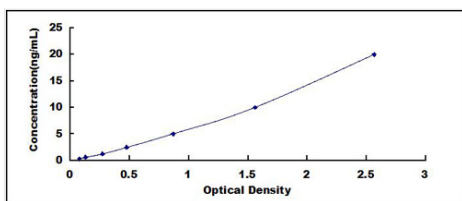
PRODUCT SYNONYMS

Leukotriene A4 Hydrolase (LTA4H); Human Leukotriene A4 Hydrolase (LTA4H) ELISA Kit; LTA4 Hydrolase; LTA4H elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Leukotriene A4 Hydrolase (LTA4H). No significant cross-reactivity or interference between Leukotriene A4 Hydrolase (LTA4H) and analogues was observed.
Sequence Length	587
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.128ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Leukotriene A4 Hydrolase (LTA4H) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Leukotriene A4 Hydrolase (LTA4H) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LTA4H elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Leukotriene A4 Hydrolase (LTA4H). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Leukotriene A4 Hydrolase (LTA4H). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Leukotriene A4 Hydrolase (LTA4H), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Leukotriene A4 Hydrolase (LTA4H) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	976396
NCBI GeneID	4048
UniProt Accession #	P09960; Q6IAT6; Q9UCT7; B4DNQ9; F8VV40
Molecular Weight	66,852 Da
NCBI Official Full Name	leukotriene A4 hydrolase
NCBI Official Synonym Full Names	leukotriene A4 hydrolase
NCBI Official Symbol	LTA4H
NCBI Protein Information	leukotriene A-4 hydrolase
UniProt Protein Name	Leukotriene A-4 hydrolase
UniProt Gene Name	LTA4H
UniProt Synonym Gene Names	LTA4; LTA-4 hydrolase

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/human-elisa-kits/leukotriene-a4-hydrolase-lta4h/186189>