

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

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CATALOG #
AAA64960

REACTIVITY
Mouse

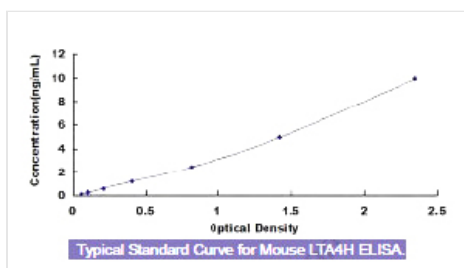
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of LTA4H. No significant cross-reactivity or interference between LTA4H and analogues was observed.
Sequence Length	532
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.051ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LTA4H were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level LTA4H were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LTA4H elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LTA4H in mouse serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LTA4H. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 LTA4H in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	926657635
NCBI GeneID	16993
NCBI Accession #	NP_001300826.1
NCBI GenBank Nucleotide #	NM_001313897.1
UniProt Accession #	P24527; Q3UY71; Q8VDR8
Molecular Weight	69,051 Da
NCBI Official Full Name	leukotriene A-4 hydrolase isoform 2
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	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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/leukotriene-a4-hydrolase-lta4h/64960>