

Human Leukotriene A-4 Hydrolase (LTA4H) ELISA Kit | LTA4H elisa kit

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CATALOG #
AAA331920

REACTIVITY
Human

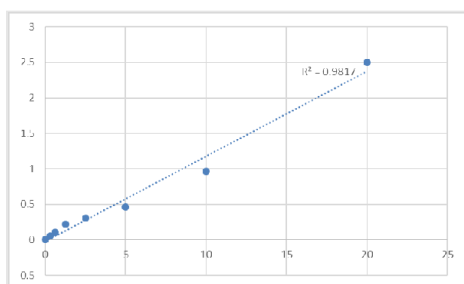
PRODUCT SYNONYMS

Leukotriene A-4 Hydrolase (LTA4H); Human Leukotriene A-4 Hydrolase (LTA4H) ELISA Kit; LTA4H elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Leukotriene A-4 hydrolase (LTA4H) ELISA Kit has high sensitivity and excellent specificity for detection of Human LTA4H. No significant cross-reactivity or interference between Human LTA4H and analogues was observed.
Sequence Length	611
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Leukotriene A-4 hydrolase (LTA4H) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LTA4H elisa kit	Description: This Human Leukotriene A-4 hydrolase (LTA4H) ELISA Kit employs a two-site sandwich ELISA to quantitate LTA4H in samples. An antibody specific for LTA4H has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LTA4H present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LTA4H is added to the wells. After washing, Streptavidin 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 LTA4H bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Minami et al. (1987) reported the full-length cDNA and complete primary structure of human LTA4 hydrolase. This was the first report of the molecular cloning of an enzyme involved in the biosynthesis of eicosanoids. Funk et al. (1987) isolated a cDNA clone corresponding to leukotriene A4 hydrolase from a human lung lambda-gt11 expression library by immunoscreening with a polyclonal antiserum. Several additional clones from human lung and placenta cDNA lambda-gt11 libraries were obtained by plaque hybridization with the (32)P-labeled lung cDNA clone. One of the clones had an insert of 1,910 basepairs that contained a complete protein-coding region. From the deduced primary structure, leukotriene A4 hydrolase is a 610-amino acid protein with a calculated molecular weight of 69,140.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126353
NCBI GeneID	4048
UniProt Accession #	P09960
NCBI Official Full Name	Leukotriene A-4 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
UniProt Entry Name	LKHA4_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://www.aaabiotech.com/human-elisa-kits/leukotriene-a-4-hydrolase-lta4h/331920>