

General Leukotriene A4 (LTA4) ELISA Kit | LTA4 elisa kit

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CATALOG #
AAA135854

REACTIVITY
General

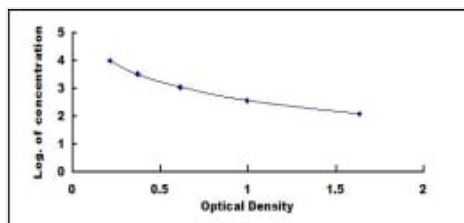
PRODUCT SYNONYMS

Leukotriene A4 (LTA4); General Leukotriene A4 (LTA4) ELISA Kit; LT-A4; LTA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of Leukotriene A4 (LTA4). No significant cross-reactivity or interference between Leukotriene A4 (LTA4) and analogues was observed.
Sequence Length	612
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell culture supernates and other biological fluids
Detection Range	123.5-10,000pg/mL
Sensitivity	50.5pg/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 (LTA4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Leukotriene A4 (LTA4) 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 LTA4 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Leukotriene A4 (LTA4) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Leukotriene A4 (LTA4) and unlabeled Leukotriene A4 (LTA4) (Standards or samples) with the pre-coated antibody specific to Leukotriene A4 (LTA4). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Leukotriene A4 (LTA4) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Leukotriene A4 (LTA4) in the sample.
Product Categories/Family for LTA4 elisa kit	Metabolic pathway; Infection immunity; Autoimmunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	358342068
Molecular Weight	70,061 Da
NCBI Official Full Name	leukotriene-A4 hydrolase
UniProt Protein Name	Leukotriene-A4 hydrolase
UniProt Gene Name	CLF_103297
UniProt Entry Name	G7Y9I2_CLOSI

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/general-elisa-kits/leukotriene-a4-lta4/135854>