

Human Leukotriene A4 ELISA Kit | LTA4 elisa kit

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CATALOG #
AAA27177

REACTIVITY
Human

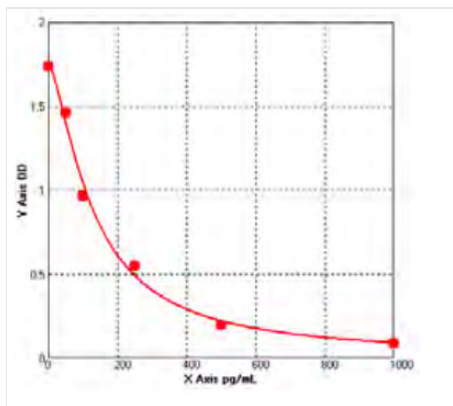
PRODUCT SYNONYMS

Leukotriene A4; Human Leukotriene A4 ELISA Kit; LTA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LTA4. No significant cross-reactivity or interference between LTA4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LTA4 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LTA4 elisa kit	Principle of the Assay: LTA4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LTA4 antibody and an LTA4-HRP conjugate. The assay sample and buffer are incubated together with LTA4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LTA4 concentration since LTA4 from samples and LTA4-HRP conjugate compete for the anti-LTA4 antibody binding site. Since the number of sites is limited, as more sites are occupied by LTA4 from the sample, fewer sites are left to bind LTA4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LTA4 concentration in each sample is interpolated from this standard curve. Intended Uses: This LTA4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LTA4. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for LTA4 elisa kit	Immunology

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 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/lta4-human-elisa-kits/leukotriene-a4/27177>