

Human Leukotriene C4 ELISA Kit | LTC4 elisa kit

Human Leukotriene C4 ELISA Kit

CATALOG #
AAA16511

REACTIVITY
Human

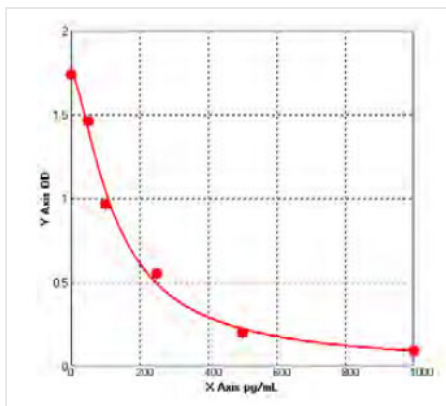
PRODUCT SYNONYMS

Leukotriene C4; Human Leukotriene C4 ELISA Kit; LTC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LTC4. No significant cross-reactivity or interference between LTC4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LTC4 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 LTC4 elisa kit	Principle of the Assay: LTC4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LTC4 antibody and an LTC4-HRP conjugate. The assay sample and buffer are incubated together with LTC4-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 LTC4 concentration since LTC4 from samples and LTC4-HRP conjugate compete for the anti-LTC4 antibody binding site. Since the number of sites is limited, as more sites are occupied by LTC4 from the sample, fewer sites are left to bind LTC4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LTC4 concentration in each sample is interpolated from this standard curve. Intended Uses: This LTC4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LTC4. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for LTC4 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	22035629
NCBI GeneID	4056
NCBI Accession #	NP_665874.1
NCBI GenBank Nucleotide #	NM_145867.1
Molecular Weight	16,567 Da
NCBI Official Full Name	leukotriene C4 synthase
NCBI Official Synonym Full Names	leukotriene C4 synthase
NCBI Official Symbol	LTC4S
NCBI Protein Information	leukotriene C4 synthase; LTC4 synthase
UniProt Protein Name	Leukotriene C4 synthase
UniProt Gene Name	LTC4S
UniProt Synonym Gene Names	LTC4 synthase
UniProt Entry Name	LTC4S_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://stage.aaabiotech.com/ltc4-human-elisa-kits/leukotriene-c4/16511>