

General LTC4 (Leukotriene C4) ELISA Kit | LTC4 elisa kit

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CATALOG #
AAA172675

REACTIVITY
General

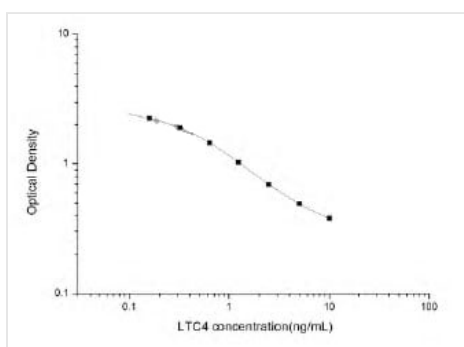
PRODUCT SYNONYMS

LTC4 (Leukotriene C4); LTC4 (Leukotriene C4) ELISA Kit; LTC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This kit recognizes LTC4 in samples. No significant cross-reactivity or interference between LTC4 and analogues was observed.
Sequence Length	150
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	0.16-10ng/mL
Sensitivity	0.09ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level LTC4 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level LTC4 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LTC4 elisa kit	Principle of the Assay: This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with LTC4. During the reaction, LTC4 in the sample or standard competes with a fixed amount of LTC4 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to LTC4. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) are added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of LTC4 in the samples is then determined by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of LTC4 concentrations in serum, plasma and other biological fluids.
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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
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/general-elisa-kits/ltc4-leukotriene-c4/172675>