

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

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CATALOG #
AAA182044

REACTIVITY
General

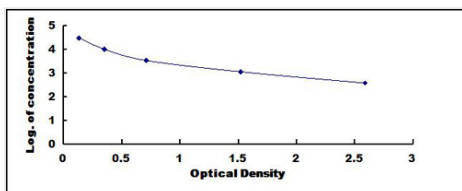
PRODUCT SYNONYMS

Leukotriene C4 (LTC4); General Leukotriene C4 (LTC4) ELISA Kit; LT-C4; LTC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of Leukotriene C4 (LTC4). No significant cross-reactivity or interference between Leukotriene C4 (LTC4) and analogues was observed.
Sequence Length	150
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue Homogenates, Cell Culture Supernates and Other Biological Fluids
Detection Range	370.4-30000pg/mL
Sensitivity	< 142.5pg/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 C4 (LTC4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Leukotriene C4 (LTC4) 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 LTC4 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Leukotriene C4 (LTC4) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Leukotriene C4 (LTC4) and unlabeled Leukotriene C4 (LTC4) (Standards or samples) with the pre-coated antibody specific to Leukotriene C4 (LTC4). 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 C4 (LTC4) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Leukotriene C4 (LTC4) in the sample.
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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
UniProt Accession #	Q16873; Q8N6P0; Q9UC73; Q9UD18
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

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-c4-ltc4/182044>