

General Leukotriene B4 (LTB4) ELISA Kit | LTB4 elisa kit

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CATALOG #
AAA182028

REACTIVITY
General

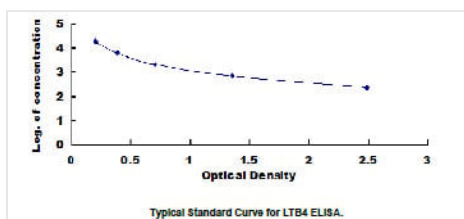
PRODUCT SYNONYMS

Leukotriene B4 (LTB4); General Leukotriene B4 (LTB4) ELISA Kit; LT-B4; LTB4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of LTB4. No significant cross-reactivity or interference between LTB4 and analogues was observed.
Sequence Length	351
Samples	Serum, plasma, tissue homogenates, cell culture supernates and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	246.9-20,000pg/mL
Sensitivity	< 90.1pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LTB4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level LTB4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 LTB4 elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of LTB4 in serum, plasma, tissue homogenates, cell culture supernates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to LTB4 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled LTB4 and unlabeled LTB4 (Standards or samples) with the pre-coated antibody specific to LTB4. 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 LTB4 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of LTB4 in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6678728
NCBI GeneID	16995
NCBI Accession #	NP_032545.1
NCBI GenBank Nucleotide #	NM_008519.2
UniProt Accession #	O88855
Molecular Weight	38,252 Da
NCBI Official Full Name	leukotriene B4 receptor 1
NCBI Official Synonym Full Names	leukotriene B4 receptor 1
NCBI Official Symbol	Ltb4r1
NCBI Official Synonym Symbols	BLT1; BLTR; Ltb4r; mBLTR
NCBI Protein Information	leukotriene B4 receptor 1
UniProt Protein Name	Leukotriene B4 receptor 1
UniProt Gene Name	Ltb4r
UniProt Synonym Gene Names	Bltr; Ltb4r1; LTB4-R 1; LTB4-R1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/general-elisa-kits/leukotriene-b4-ltb4/182028>