

General LTB4 ELISA Kit | LTB4 elisa kit

LTB4 (Leukotriene B4) ELISA Kit

CATALOG #
AAA21927

REACTIVITY
General

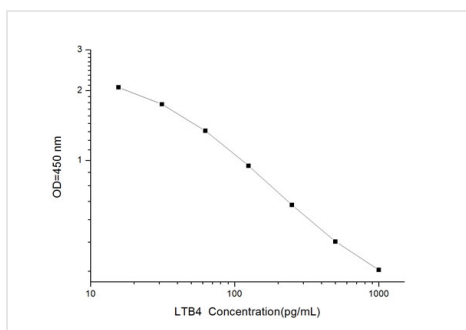
PRODUCT SYNONYMS

LTB4; LTB4 (Leukotriene B4) ELISA Kit; LTB4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This kit recognizes LTB4 in samples. No significant cross-reactivity or interference between LTB4 and analogues was observed.
Sequence Length	358
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	15.63-1000pg/mL
Sensitivity	9.38pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level LTB4 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 LTB4 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 LTB4 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 LTB4. During the reaction, LTB4 in the sample or standard competes with a fixed amount of LTB4 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to LTB4. 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 LTB4 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 LTB4 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9081803
NCBI GeneID	56413
Molecular Weight	37,942 Da
NCBI Official Full Name	LTB4 receptor JULF2
NCBI Official Synonym Full Names	leukotriene B4 receptor 2
NCBI Official Symbol	LTB4R2
NCBI Official Synonym Symbols	BLT2; NOP9; BLTR2; JULF2; KPG_004; LTB4-R2; LTB4-R 2
NCBI Protein Information	leukotriene B4 receptor 2; LTB4 receptor JULF2; leukotriene B4 receptor BLT2; seven transmembrane receptor BLTR2
UniProt Protein Name	Leukotriene B4 receptor 2
UniProt Gene Name	LTB4R2
UniProt Synonym Gene Names	BLT2R; BLTR2; LTB4-R 2; LTB4-R2
UniProt Entry Name	LT4R2_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.