

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

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CATALOG #
AAA68428

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.
Samples	Serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	0.625-40ng/mL
Sensitivity	<0.28ng/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%

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 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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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-ltb4/68428>