

Human Leukotriene B4 (LT-B4) ELISA Kit | LT-B4 elisa kit

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CATALOG #
AAA331918

REACTIVITY
Human

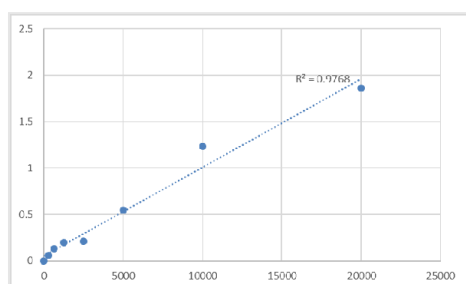
PRODUCT SYNONYMS

Leukotriene B4 (LT-B4); Human Leukotriene B4 (LT-B4) ELISA Kit; LT-B4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Leukotriene B4 (LT-B4) ELISA Kit has high sensitivity and excellent specificity for detection of Human LT-B4. No significant cross-reactivity or interference between Human LT-B4 and analogues was observed.
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Leukotriene B4 (LT-B4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LT-B4 elisa kit	Description: This Human Leukotriene B4 (LT-B4) ELISA Kit employs a two-site sandwich ELISA to quantitate LT-B4 in samples. An antibody specific for LT-B4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LT-B4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LT-B4 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LT-B4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Leukotriene B4 is a leukotriene involved in inflammation. It is produced from leukocytes in response to inflammatory mediators and is able to induce the adhesion and activation of leukocytes on the endothelium, allowing them to bind to and cross it into the tissue. In neutrophils, it is also a potent chemoattractant, and is able to induce the formation of reactive oxygen species and the release of lysosome enzymes by these cells. Leukotriene B4 is a potent pro-inflammatory molecule that belongs to a family of eicosanoid lipid mediators. It is synthesized from arachidonic acid that is generated from nuclear membrane phospholipid. In general, and upon cell activation, phospholipase A2 is directed to the nuclear membrane. Here, it generates arachidonic acid that is bound by one 20 kDa membrane-bound protein termed Five-Lipoxygenase Activating Protein (FLAP).
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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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/leukotriene-b4-lt-b4/331918>