

Human Lipoxin A4 (LXA4) ELISA Kit | LXA4 elisa kit

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CATALOG #
AAA332005

REACTIVITY
Human

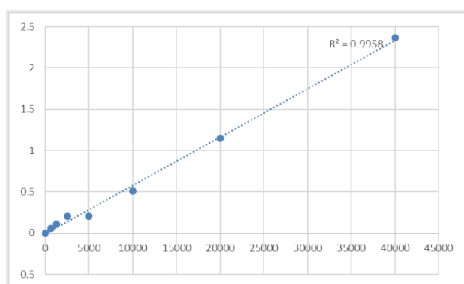
PRODUCT SYNONYMS

Lipoxin A4 (LXA4); Human Lipoxin A4 (LXA4) ELISA Kit; LXA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Lipoxin A4 (LXA4) ELISA Kit has high sensitivity and excellent specificity for detection of Human LXA4. No significant cross-reactivity or interference between Human LXA4 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 Lipoxin A4 (LXA4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LXA4 elisa kit	Description: This Human Lipoxin A4 (LXA4) ELISA Kit employs a two-site sandwich ELISA to quantitate LXA4 in samples. An antibody specific for LXA4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LXA4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LXA4 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 LXA4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Lipoxins are a series of anti-inflammatory mediators. Lipoxins are short lived endogenously produced nonclassic eicosanoids whose appearance in inflammation signals the resolution of inflammation. They are abbreviated as LX, an acronym for lipoxygenase (LO) interaction products. At present two lipoxins have been identified; lipoxin A4 () and lipoxin B4 (LXB4).Lipoxins, as well as certain peptides, are high affinity ligands for the lipoxin A4 receptor (LXA4R), which was first identified based on sequence homology as the formyl peptide receptor like receptor (FPRL1). Lipoxin signaling through the LXA4R inhibits chemotaxis, transmigration, superoxide generation and NF-kappa B activation. Similarly to the leukotrienes, LXA4 will form the cysteinyl-lipoxins LXC4, LXD4 and LXE4. At subnanomolar concentrations, LXA4 and LXB4 inhibit leukotriene-stimulated interactions of human neutrophils and endothelial cells.
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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://www.aaabiotech.com/human-elisa-kits/lipoxin-a4-lxa4/332005>