

Human Leukotriene D4 ELISA Kit | LT D4 elisa kit

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CATALOG #
AAA16269

REACTIVITY
Human

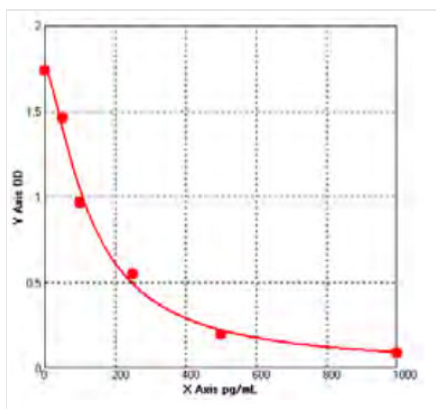
PRODUCT SYNONYMS

Leukotriene D4; Human Leukotriene D4 ELISA Kit; LT D4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LTD4. No significant cross-reactivity or interference between LTD4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LTD4 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Highest Standards	25 ng/mL
Concentration of Standards	Concentration of Standards
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LT D4 elisa kit	Principle of the Assay: LTD4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LTD4 antibody and an LTD4-HRP conjugate. The assay sample and buffer are incubated together with LTD4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LTD4 concentration since LTD4 from samples and LTD4-HRP conjugate compete for the anti-LTD4 antibody binding site. Since the number of sites is limited, as more sites are occupied by LTD4 from the sample, fewer sites are left to bind LTD4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LTD4 concentration in each sample is interpolated from this standard curve. Intended Uses: This LTD4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LTD4. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for LT D4 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	8118595
NCBI GeneID	58861
Molecular Weight	39,160 Da
NCBI Official Full Name	leukotriene D4 receptor
NCBI Official Synonym Full Names	cysteinyl leukotriene receptor 1
NCBI Official Symbol	Cysltr1
NCBI Official Synonym Symbols	Cyslt1; CysLT1R; BB147369
NCBI Protein Information	cysteinyl leukotriene receptor 1; LTD4 receptor; cysteinyl leukotriene D4 receptor; cysteinyl leukotriene 1 receptor short isoform
UniProt Protein Name	Cysteinyl leukotriene receptor 1
UniProt Gene Name	Cysltr1
UniProt Synonym Gene Names	Cyslt1; Cyslt1r; CysLTR1; LTD4 receptor
UniProt Entry Name	CLTR1_MOUSE

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/lt-d4-human-elisa-kits/leukotriene-d4/16269>